



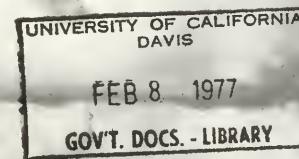
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State of California  
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# Rainfall Analysis for Drainage Design Volume II. Long-Duration Precipitation Frequency Data

Bulletin No. 195  
October 1976

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**Department of  
Water Resources**

**Bulletin No. 195**

# **Rainfall Analysis for Drainage Design**

**Volume II.  
Long-Duration Precipitation  
Frequency Data**

**October 1976**

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Secretary for Resources**

**The Resources  
Agency**

**Edmund G. Brown Jr.  
Governor**

**State of  
California**

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**Department of  
Water Resources**

OTHER VOLUMES OF BULLETIN NO. 195  
(Bound separately)

Volume I. Short-Duration Precipitation Frequency  
Data

Volume III. Intensity-Duration-Frequency Curves

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and many private individuals

## INTRODUCTION

Bulletin No. 195, *Rainfall Analysis for Drainage Design*, comprises three volumes issued as separately bound publications that complement one another but are also useful as independent documents. Volume I contains short-duration precipitation data. This volume, Volume II, contains analyses of long-duration precipitation frequency records for storms lasting from one day to 60 days. Data on rainfall and snowfall are included. Volume III contains precipitation intensity-duration-frequency data.

Volume I includes records of precipitation for storm durations shorter than one day recorded by gages having five or more years of record. Volume II includes selected data on daily rainfall frequency, with 20 or more years of record. The data include the following:

All records evaluated during the past 15 years by the Department of Water Resources for spillway analysis.

Records from stations that have been added to complete a minimum statewide grid.

Comprehensive countywide data sets provided by several county flood control districts.

Records of gages having 70 or more years of daily rainfall record.

Data on extreme rainfall contributed by many consulting engineers and private meteorologists.

The daily depth-duration-frequency tables are arranged by drainage areas for all California stations with 20 or more years of record. (These areas are the major drainage provinces and hydrographic units shown on Plate 1.) The tables report data for periods of 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 30, and 60 consecutive days, and total annual precipitation. These are records from which the regional coefficients of skewness and variation used in Volume I were derived.

The usefulness of time-related data depends on the frequency with which observations are made. However, data storage capacity limits the total amount of information that can be collected and analyzed economically. Restricting the data to an annual series of extremes, as has been done in this study, has simplified the maintenance of the data file. Only the greatest

depth of rain for each year for the specific durations under study are reported here.

#### Data Bank

A permanent data bank containing long-duration data (for 1 to 60 days), reported here as Volume II, is filed in the Computer Systems Office of the Department of Water Resources on a seven-channel magnetic tape. The procedure for editing and updating the daily rainfall frequency data file is Computer Process 842. Data are retrieved and analyzed by Computer Process 843. The data are filed in this system by the drainage areas shown on Plate 1.

The data bank is a truly cooperative enterprise between the Department of Water Resources and the agencies listed under "Acknowledgments", which have contributed the data reported in Bulletin No. 195. The information filed in this bank is available to all cooperators in this study. The locations of those stations having 20 or more years of record are shown on Plate 2 and listed in the index.

#### Limitations of Rain Gages

A word of caution regarding the inadequacies of rain gage records is important to the user of this data. Both wind and snow can cause gages to underregister by preventing precipitation from entering the gage.<sup>1,2</sup> Turbulent air reduces rainfall catch by deflecting the rain from the gage orifice. Its deflection of snow is even greater. Snow also interferes with the functioning of the gage by occasionally forming a thick cap over the gage opening. The loss of record that ensues is usually unknown. It has not been possible, therefore, to correct these studies to account for such errors in the record. The data user should probably select a large return period or use some other procedure as a safety factor under snowy conditions.

#### Earlier Reports

Two previous publications have been useful in preparing this report. In 1961, the U. S. Weather Bureau issued its Technical Paper No. 40<sup>3</sup>, in which are summarized data for storm durations of 30 minutes to 24 hours and return periods up to 100 years. The paper's full utility was limited by rain frequency maps drawn to a scale of 1:10,000,000. In 1973, the National Weather Service published a rain frequency atlas for California<sup>4</sup> in which the depiction of rain frequency in the State was improved by maps at a scale of 1:1,000,000. The atlas developed data for 6-hour and 24-hour storm durations and return periods up to 100 years.

## Maximum Daily Rainfall

Extremes of rainfall are best expressed in terms of statistical variation, rather than in inches of rain. Evaluating rainfall events as standard deviations above the mean provides a truer measure of maximum rainfall. When extreme rains are thus normalized, the highest values often are shown to have occurred at stations other than those that received the heaviest rains. This is demonstrated by the data shown in Table 1. In the North Coastal drainage province, for example, the extreme recorded daily rainfall occurred in 1949 at Gasquet Ranger Station, where the maximum daily precipitation was 474 millimetres (18.70 inches). This is 2.7 standard deviations above the mean. However, when the data are normalized, the extreme rains in that area are shown instead to have taken place in 1951 at Orick, where the maximum daily precipitation was 292 millimetres (11.50 inches), or 4.0 standard deviations above the mean. Occasionally the values for extreme recorded rainfall and the normalized extreme rainfall coincide at one station, as in the case of Lytle Creek in the Santa Ana drainage province. For the most part, though, such events are the exception.

Table 1. REGIONAL RAINFALL EXTREMES FROM NONRECORDING RAIN GAGES

Drainage* Province	Extreme Recorded Rainfall					Normalized Extreme Rainfall				
	Station	Mean Annual Rainfall in millimetres (in inches)	Year	Maximum Daily Rainfall in millimetres (in inches)	Standard Deviations Above the Mean	Station	Mean Annual Rainfall in millimetres (in inches)	Year	Maximum Daily Rainfall in millimetres (in inches)	Standard Deviations Above the Mean
North Coastal	Gasquet Ranger Station	2 593 (102.08)	1949	475 (18.70)	2.7	Orick	1 807 (71.15)	1951	292 (11.50)	4.0
San Francisco Bay	Lake McKenzie	1 168 (45.97)	1956	305 (12.01)	3.2	Mt. Hamilton	679 (26.73)	1885	230 (9.05)	4.2
Central Coastal (North)	Boulder Creek	1 577 (62.10)	1959	319 (12.57)	1.8	Paicines	388 (15.29)	1956	142 (5.60)	3.9
Central Coastal (South)	Juncal Dam	720 (28.36)	1969	406 (16.00)	3.2	Los Alamos	387 (15.22)	1918	148 (5.81)	3.6
Los Angeles	Hoegees	941 (37.03)	1943	522 (20.57)	3.3	Sawtelle	377 (14.84)	1934	239 (9.40)	4.1
Santa Ana	Lytle Creek	839 (33.02)	1969	633 (24.92)	6.3	Lytle Creek	839 (33.02)	1969	633 (24.92)	6.3
San Diego	Henshaw Dam	652 (25.67)	1927	368 (14.48)	4.0	Henshaw Dam	652 (25.67)	1927	368 (14.48)	4.0
Sacramento River	Hobergs	1 465 (57.68)	1938	361 (14.20)	2.9	Colfax	1 208 (47.57)	1965	162 (6.37)	4.1
San Joaquin River	Crane Valley	1 020 (40.16)	1956	230 (9.04)	2.5	Hetch Hetchy	867 (34.13)	1951	201 (7.91)	3.6
Tulare Lake	Kern River Intake 3	426 (16.77)	1967	331 (13.02)	4.9	Kern River Intake 3	426 (16.77)	1967	331 (13.02)	4.9
North Lahontan	Tahoe City	802 (31.56)	1945	190 (7.50)	2.8	Susanville	374 (14.72)	1963	119 (4.70)	2.9
South Lahontan	Squirrel Inn	1 018 (40.07)	1916	427 (16.81)	4.1	Independence	116 (4.55)	1967	145 (5.72)	4.4
Colorado River	Raymond Flat	828 (32.60)	1938	343 (13.50)	2.7	Indio	79 (3.12)	1940	164 (6.45)	5.1

\* See Plate 1



Standard rain gage of the type used to measure daily rainfall for the past 70 years. Support device and stakes secure these gages to the ground.

*Photo by Weather Measure Corp.*

## ANALYSIS OF THE DATA

The equations of mean ( $\bar{X}$ ), standard deviations (S), the coefficient of skew (g), the coefficient of kurtosis (k), and the coefficient of variation (CV) are basic to this study. They are shown here:

$$\bar{X} = \frac{\sum X}{N}$$

$$S = \sqrt{\frac{\sum (x - \bar{X})^2}{N-1}}$$

$$g = \frac{N \sum (x - \bar{X})^3}{(N-1)(N-2) S^3}$$

$$k = \frac{N^2 \sum (x - \bar{X})^4}{(N-1)(N-2)(N-3) S^4}$$

$$CV = \frac{S}{\bar{X}}$$

Where X = the magnitude of an event and  $x = X - \bar{X}$

The mean expresses the central tendency of the data set. The standard deviation measures the deviation from the mean. The skew shows the lack of symmetry, or lopsidedness, that occurs in a rainfall data set due to bounding by a lower limit and virtually no bound on rains' upper limit. Kurtosis is used here to test for appropriateness of various frequency distributions.

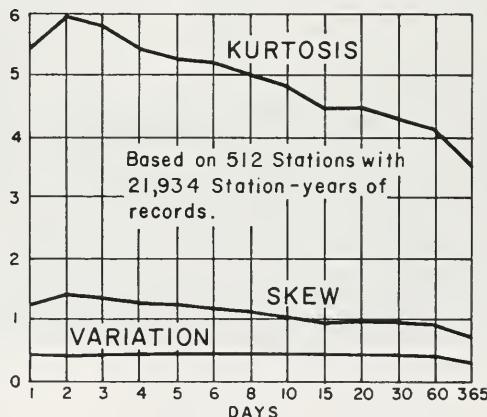
A number of probability distributions have been found to be adequate for hydrologic frequency analysis; these include the normal, exponential, Gumbel, log-normal, log Pearson's Type III, Pearson's Type III (Gamma), and Weibull distributions.<sup>5</sup> For each distribution there exists a unique relationship between the coefficients of skewness and kurtosis. The Pearson's Type III distribution is used in this report.

The precipitation depth-duration-frequency tables in this volume were prepared with the Department's Computer Program No. 3024. This program uses the general equation for hydrologic frequency analysis from Chow's *Handbook*<sup>6</sup>, which is:

**TABLE 2**  
**FREQUENCY FACTORS FOR PEARSON'S TYPE III DISTRIBUTION**

Return Period in Years	Coefficient of Skew																
	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
2	-.07	-.08	-.10	-.12	-.13	-.15	-.16	-.18	-.20	-.21	-.23	-.24	-.25	-.27	-.28	-.29	-.31
5	.82	.81	.80	.79	.78	.77	.76	.75	.73	.72	.71	.69	.68	.66	.64	.63	.61
10	1.32	1.32	1.33	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.33	1.33	1.32	1.32	1.31	1.30
20	1.75	1.77	1.80	1.82	1.84	1.86	1.88	1.89	1.91	1.92	1.94	1.95	1.96	1.97	1.98	1.99	2.00
25	1.88	1.91	1.94	1.97	1.99	2.02	2.04	2.06	2.09	2.11	2.13	2.15	2.16	2.18	2.19	2.21	2.22
40	2.14	2.19	2.22	2.27	2.31	2.35	2.38	2.42	2.45	2.49	2.52	2.55	2.58	2.61	2.64	2.66	2.69
50	2.26	2.31	2.36	2.41	2.45	2.50	2.54	2.58	2.63	2.67	2.71	2.74	2.78	2.81	2.85	2.88	2.91
100	2.62	2.69	2.76	2.82	2.89	2.96	3.02	3.09	3.15	3.21	3.27	3.33	3.39	3.44	3.50	3.55	3.61
200	2.95	3.04	3.13	3.22	3.31	3.40	3.49	3.58	3.66	3.75	3.83	3.91	3.99	4.07	4.15	4.22	4.30
1,000	3.67	3.81	3.96	4.10	4.24	4.39	4.53	4.67	4.81	4.96	5.10	5.23	5.37	5.51	5.64	5.77	5.91
2,000	3.96	4.12	4.29	4.46	4.63	4.80	4.97	5.13	5.30	5.47	5.63	5.80	5.96	6.12	6.28	6.44	6.60
10,000	4.60	4.82	5.05	5.27	5.50	5.72	5.96	6.18	6.41	6.64	6.87	7.09	7.32	7.54	7.77	8.00	8.21

Figure 1.



VARIATION IN EXTREME PRECIPITATION STATISTICS WITH STORM DURATION

$$P_{ji} = \bar{P}_i + K_j S_i$$

where            j = return period in years

i = specific storm duration in minutes, hours,  
or days

P<sub>ji</sub> = precipitation in inches for return period  
j and duration i

$\bar{P}_i$  = mean maximum annual storm for duration i

K<sub>j</sub> = frequency factor (in standard deviations)  
for return period of j years

S<sub>i</sub> = standard deviation of maximum annual storm  
for duration i

The frequency factor (K) is from the Pearson's Type III Distribution<sup>7</sup> and is related to the return period, as shown on Table 2. As an example of the significance of skewness in hydrologic frequency analysis, a 1,000-year storm is defined as the mean plus 3.67 standard deviations for a skewness of 0.4 and the mean plus 5.91 standard deviations for a skewness of 2.0.

Regional coefficients of skewness (Sk) are used because skewness is quite sensitive to large storm events in small statistical samples. The sensitivity of skewness was illustrated when the largest daily rainfalls from 79 daily rainfall records, each having 70 years or more of record, was normalized in terms of standard deviations in excess of the mean. The coefficient of determination between the normalized maximum daily rainfall and the coefficient of skewness was 0.74, indicating 74 percent of the variation in the coefficient of skewness is related to the size of the largest daily event in the rainfall record.

#### Regional Coefficients

Standard deviations of extreme annual rainfall are subject to sizable random errors for small samples of years. To overcome the small sample problem, the standard deviations have all been converted to a dimensionless coefficient of variation (CV) by dividing the standard deviations by means. Averages of the coefficients of variation are quite stable over a broad range of storm deviations, as well as over a broad geographic region.

The uniformity of the coefficient of variation with duration is illustrated on Figure 1, which shows a nearly uniform coefficient of variation for all storm durations from one to 60 days. This was based on statewide averages. The actual values selected for use in this report are shown on Table 3 for the 14

Table 3. REGIONAL COEFFICIENT OF VARIATION OF MAXIMUM ANNUAL SERIES PRECIPITATION  
Second Approximation - September 11, 1975

Regions*	Storm Duration in Days												
	1	2	3	4	5	6	8	10	15	20	30	60	365
1	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
2	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
3	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
4	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
5	.348	.371	.372	.370	.361	.359	.364	.363	.363	.365	.369	.377	.324
6	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
7	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
8	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
9	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
10	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
11	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
12	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
13	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
14	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

\*Shown in Figure 2.

Table 4. REGIONAL COEFFICIENT OF SKEW OF MAXIMUM ANNUAL SERIES PRECIPITATION  
Second Approximation - October 14, 1975

Regions*	Storm Duration in Days												
	1	2	3	4	5	6	8	10	15	20	30	60	365
1	1.1	1.3	1.2	1.1	1.1	1.0	.9	.8	.6	.8	.7	.7	.4
2	1.3	1.5	1.6	1.7	1.8	1.7	1.5	1.5	1.2	1.2	1.1	1.0	.6
3	1.3	1.6	1.5	1.4	1.3	1.3	1.1	1.0	.9	.9	.9	.8	.5
4	1.1	1.2	1.1	1.0	.9	.9	.9	.8	.8	.8	.8	.8	.5
5	1.2	1.4	1.3	1.2	1.1	1.0	1.0	.9	.8	.7	.7	.8	.8
6	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.3	1.1	1.2	1.0
7	1.3	1.5	1.4	1.3	1.2	1.3	1.5	1.5	1.4	1.4	1.4	1.5	1.2
8	1.2	1.4	1.3	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.0
9	1.4	1.3	1.3	1.4	1.4	1.4	1.2	1.2	1.1	1.0	1.0	1.2	.9
10	1.6	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.6	1.6	1.4	1.5	1.1
11	1.2	1.3	1.2	1.1	1.1	1.0	1.0	1.0	.9	.9	.8	1.1	.9
12	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.6	1.8	1.6	1.1
13	1.6	1.5	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	1.1

\* Shown in Figure 3.

geographic zones shown on Figure 2. These values of CV were based on weighted mean values derived from the length of record. It is anticipated that these values will be periodically modified. The geographic zones were selected on the basis of similar values of CV. The chief problem with the CV values in Table 3 is demonstrated by the abrupt discontinuities between adjacent zones. To overcome these, lines of equal CV have been prepared for future consideration. They are shown in Plate 11. Perhaps some smoothing technique should be used in all of these 14 zones. The only zone, where smoothing was used was the southeast part of the zone, where the random fluctuations (in CV with duration) were felt to be excessive.

The coefficient of skew (CS) was averaged in zones of similar values (Table 4). These are shown on Figure 3. Regional coefficients of skewness were selected to avoid the situation in which a projected rainfall event for a large return period at a short duration would exceed one for a long duration. Such a situation has occurred in previous reports.

#### Frequency Distribution

The criterion for the selection of a frequency distribution to represent extreme annual precipitation for this report is the skew-kurtosis relationship shown on Figure 4, which shows curves representing log-normal, Weibull, and Pearson's Type III distributions, as well as points representing normal and Gumbel distributions. The data points represent weighted averages of skew and kurtosis from 512 daily rainfall measuring stations with 21,934 station-years of record. The Pearson's Type III distribution is the clear choice for all storm durations up to 30 days. The Weibull distribution is the best choice for 60-day storm durations and for yearly total rainfall. However, the Type III distribution is used throughout this study.

#### Fixed-Interval Corrections

Design storms provide the maximum values that are likely to occur for any duration, regardless of beginning and ending time. Weather observations, by contrast, are taken at a fixed time each day. Previous studies<sup>3</sup> have shown that, on the average, the maximum daily rainfall occurring in the wettest consecutive 1,440 minutes is 14 percent greater than that taken from a once-a-day observation made at a fixed time. The same fixed rainfall measurement interval exists, regardless of duration; that is, the maximum annual rain falling for 60 consecutive minutes is 14 percent greater than the clock-hour maximum rains observed at fixed intervals.

These fixed interval corrections are described by Weiss<sup>8</sup> as independent of the time interval under study and as equally valid when used to describe hourly, daily, or monthly extreme data. The values of clock-hour correction (which have been used in these studies) are shown in the following tabulation.

Figure 2.  
REGIONS OF UNIFORM COEFFICIENT OF VARIATION

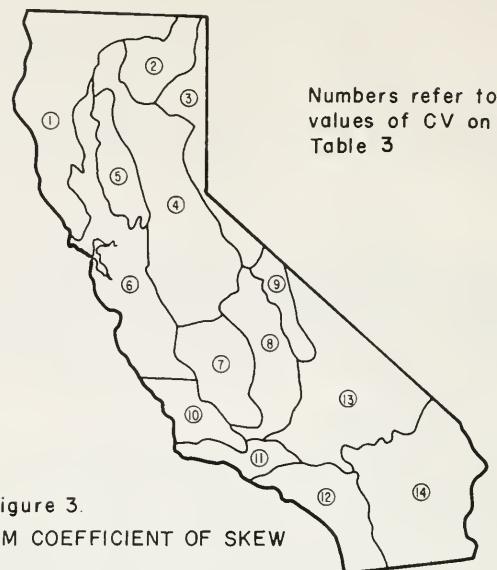
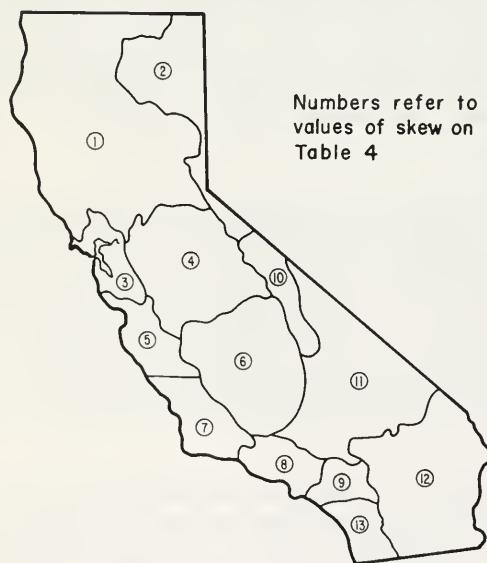


Figure 3.  
REGIONS OF UNIFORM COEFFICIENT OF SKEW



Interval	1	2	3	4	5	6	8	10
Correction	1.14	1.07	1.04	1.04	1.03	1.02	1.02	1.01

The interval can be in any uniform time increments. These clock-hour corrections also become calendar-day corrections when a uniform once-a-day observation time is used.

#### Partial Duration Series and Annual Series

Two methods exist for extracting the extreme values of time series data: using either the highest value of a total series, regardless of the time it occurs, or the highest value for each year. The analyzed results affect only relatively short return periods because, for periods longer than ten years, the two series merge into one.

The partial duration series are those values that exceed a given base level, no matter when they occur. With this series, an analysis may include one year in which several large floods occurred and other years in which no storm as large as the base level occurred. The partial duration series is used for studying storms that have return periods of less than five years; longer return periods show little substantial difference.

Partial duration series analysis requires the data analyst to use foresight in selecting a base level of storm events for a predetermined number of data points.

The annual series consists of the largest annual value for each year, with only one value per year. Langbein<sup>9</sup> has compared the results of the annual series to the partial duration series, as shown by the following conversion factors.

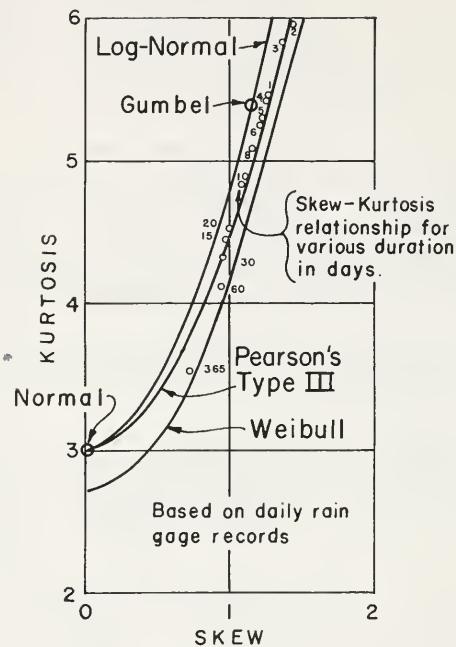
Return Period in Years						
Annual Series	0.5	1.0	2.0	5.0	10.0	100.0
Partial Duration Series	1.16	1.58	2.54	5.52	10.5	100.5

The annual series provides one great advantage over the partial duration series: ease of data file management. When the files of extreme data are updated, one year's record can be added to the data file for each year without regard to prior data files.

#### Depth-Duration-Frequency Tables

The depth-duration-frequency tables in this report have several parts. The first part with station number, station name, elevation, location, and county code is described in "Key to Station Descriptions" in this volume.

Figure 4.



SKEW-KURTOSIS RELATIONSHIP  
WITH CRITERIA FOR THREE  
FREQUENCY DISTRIBUTIONS

The second part of the tables is a matrix of columns of storm events ranging from 1 day to 60 days, including the annual total precipitation, and return periods ranging from 2 to 10,000 years, with a probable maximum precipitation (PMP) estimated as the mean plus 15 standard deviations.<sup>10</sup> The calendar, fiscal, or water year total precipitation is coded as C YR, F YR, or W YR, or when unspecified, as 365 D.

The third part of the table contains the mean, which is the arithmetic average; the clock-hour correction,<sup>8</sup> where used; the calculated skew; the regional skew; and the actual skew, which is used on the computations for the duration-return period matrix.

The fourth part of the table contains the kurtosis, which is the fourth moment function.<sup>11</sup> The number of data points used in the computations for each column is coded as N. The year in which the highest rainfall of record occurred is coded as Record Year. The highest precipitation for each duration is indicated in the row labeled Record Maximum. Normalized Max is the record maximum in units of standard deviations in excess of the mean for each duration. The calculated coefficient of variation is coded as Calc. Coef. of Var. The regional coefficient of variation is coded as Regn. Coef. Var. The coefficient of variation used in this report is coded as Used Coef. Var..

The fifth part of the table contains dimensionless ratios of precipitation for return periods of 10 to 10,000 years, expressed as percentages of the mean annual precipitation. These are coded as RP 10/A, etc. PMP is also expressed as PMP/A (probable maximum precipitation expressed as a fraction of the mean annual rainfall (A)), so that the mean annual precipitation can easily be used as an interstation interpolating device, as well as a means of comparing adjacent records for consistency.

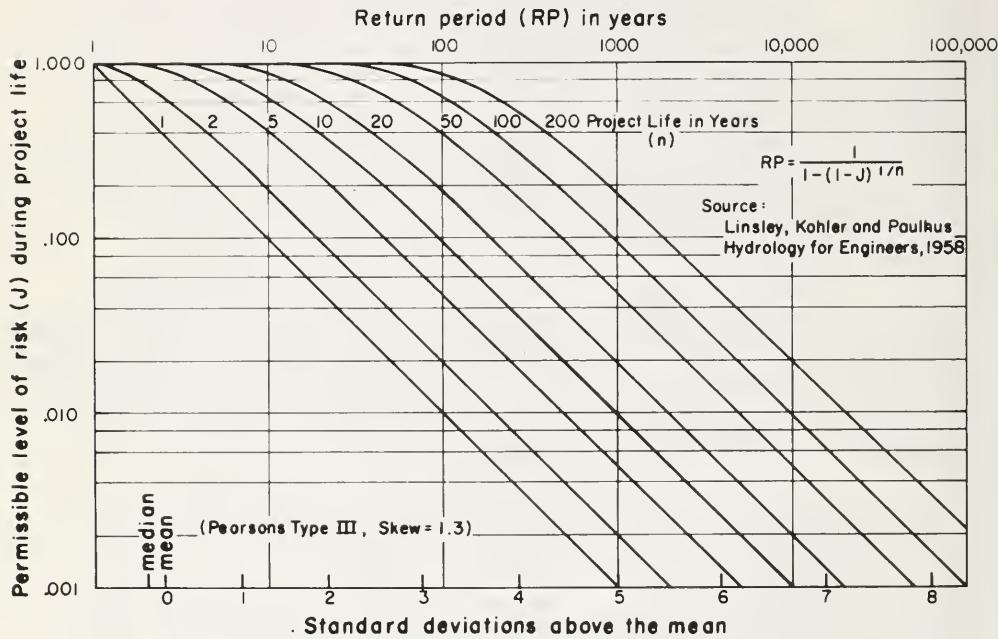
The data user is expected to be concerned mainly with the first two parts of the table. The remainder of each is printed in the interest of continued procedures development.

The last line of the depth-duration-frequency table states: "Where N is small, results are not dependable". In this application, "small" means records of 25 years or less. From sampling theory is derived the concept: errors are proportional to one over the square root of the sample size.

#### Safety Factors in Hydrology

Engineers are accustomed to using safety factors in the design of structures. In hydrology, safety factors have consisted of designing for "spillway design floods", "project design floods", "1,000-year storms", "probable maximum precipitation", and other bases for rationalizing the use of very rare storm

**Figure 5. RELATIONSHIP OF PERMISSIBLE LEVEL OF RISK AND RETURN PERIOD**



events in design of flood protection structures. The fact that design storms are occasionally exceeded points out the need for an assessment of the risks of failure associated with selected return periods.

Frequency analysis defines the event which can be expected once every "Y" years, on the average. This does not imply that a "Y-year event" will occur regularly every "Y" years. Return periods, as well as flood magnitudes, are subject to analysis. For example, there is a two percent chance that a 50-year event will occur in any one year.

The 10,000-year event with a skew of 1.3 is defined as the mean plus 6.64 standard deviations, as shown on Table 2. The 10,000-year return periods based on 10 to 30 years of record will be considered to have low statistical reliability. However, their use in hydrologic studies has considerable utility and compensates for this disadvantage.

Since some hydraulic structures have design lives of 100 years and since a low level of risk, such as a one-in-a-hundred chance of failure, is desirable, the joint probabilities of the two events are calculated by multiplying, in this case, a one-in-a-hundred risk with a 100-year project life for a design return period of 10,000 years.

The permissible level of risk during the life of a project can be considered when a return period is selected. A project with a one-year useful life, for which a one percent chance of failure would constitute a permissible level of risk, would be designed for a return period of 100 years.

The relationship of permissible level of risk and return period is shown on Figure 5 for a broad range of project lives and return periods. The graph was prepared from a probability formula in *Hydrology for Engineers* (Linsley, Kohler, and Paulhus, 1958).<sup>12</sup> It indicates that there is a 10 percent chance of a once-in-460-year event occurring in the next 50 years. Permissible risk is discussed in a paper by Ben Chie Yen.<sup>13</sup>

Meteorological models of the precipitation mechanism have been based on three physical limitations:

- Moisture in the air over a basin
- Moisture carried into a basin by winds
- The fraction of the inflowing moisture that will precipitate

These variables, although difficult to measure directly, are commonly estimated for orographic and convective storm types. Models of the precipitation mechanism are frequently calibrated

by historical precipitation data. A good discussion of probable maximum precipitation was prepared in 1967 by Vance Myers of the U. S. Weather Bureau.<sup>14</sup>

Statistical models represent a direct approach to estimating PMP with a minimum amount of assumption. A comparison of these two approaches to PMP computing was made by Hershfield,<sup>10</sup> who used the mean plus 15 standard deviations to estimate probable maximum precipitation. The value of 15 standard deviations was an upper enveloping value for extreme storms of record. The use of a given level of risk or a given number of standard deviations above the mean can be a management decision, when a relatively stable method of computing the means, standard deviations, and skew coefficients is available.

## INTERSTATION INTERPOLATION

Development of a procedure to estimate extreme annual precipitation for various frequencies anywhere in California is an objective of this study. The approach used here is to plot maps of a dimensionless fraction of the mean annual precipitation that would occur with various return periods. Plates 4 through 10 show the extreme annual 24-hour precipitation for return periods of 10, 25, 50, 100, and 1,000 years, and the probable maximum precipitation. These maps are expressed in fractions of the mean annual precipitation. The mean annual precipitation map<sup>15</sup> (Plate 3) is used for interpolation between stations.

### Coefficient of Variation

The coefficient of variation (CV) is the standard deviation divided by the mean. It is used here to express the variation from the mean of extreme annual rainfall. CV is plotted as a continuous surface on Plate 11 and is also shown as averages for specific areas on Figure 2. These regional averages were used to develop the depth-duration-frequency tables in this report. The values of Figure 2 were visualized as a second generation estimate of CV, whereas the averages of Plate 11 are visualized as third generation values for use in a future computer-generated analysis of CV. The use of the values on Plate 11 should overcome the abrupt discontinuities evident in the adjacent zones of Figure 2.

## REFERENCES

1. Rodda, J. C. *The Precipitation Measurement Paradox - The Instrument Accuracy Problem.* Report No. 16. World Meteorological Organization, Geneva, Switzerland. 1971.
2. Koschmieder, H. "Methods and Results of Definite Rain Measurements". *Monthly Weather Review.* Vol. 62, No. 1. U. S. Weather Bureau. January 1934.
3. Hershfield, David M. *Rainfall Frequency Atlas of the United States.* Technical Paper No. 40. U. S. Weather Bureau May 1961.
4. Miller, J. F., R. H. Frederick, and R. J. Tracey. *Precipitation Frequency Atlas of the Western United States, Volume XI - California.* National Oceanic and Atmospheric Administration Atlas 2. National Weather Service, Silver Springs, Maryland. 1973.
5. Wu, Baolin, and J. D. Goodridge. "On the Selection of Probability Distributions for Hydrologic Frequency Analysis." Paper presented at the American Geophysical Union Fall Annual Meeting, San Francisco. 1974.
6. Chow, Ven Te. *Handbook of Applied Hydrology.* McGraw-Hill Book Company, Inc., New York. 1964.
7. Harter, H. Leon. "A New Table of Percentage Points of the Pearson Type III Distribution." *Technometrics.* Vol. II, No. 1. February 1969.
8. Weiss, Leonard L. "Ratio of True to Fixed-Interval Maximum Rainfall." *Journal of the Hydraulics Division.* Vol. 90, HY1. American Society of Civil Engineers. January 1964.
9. Langbein, W. B. "Annual Floods and the Partial-Duration Flood Series." *Transactions, American Geophysical Union.* Vol. 30. 1949. (Pages 879-881.)
10. Hershfield, David M. *Estimating the Probable Maximum Precipitation.* Paper No. 3431. American Society of Civil Engineers. 1963.
11. Spiegel, Murray R. *Theory and Problems of Statistics.* Schaum Publishing Company, New York. 1961.
12. Linsley, Ray K., Jr., Max A. Kohler, and Joseph L. H. Paulus. *Hydrology for Engineers.* McGraw-Hill Book Company, Inc. 1958. (Page 258.)

13. Yen, Ben Chie. "Risk in Hydrologic Design of Engineering Projects." *Journal of the Hydraulics Division*. Vol. 94, HY4. American Society of Civil Engineers. April 1970.
14. Myers, Vance A. *Meteorological Estimation of Extreme Precipitation of Spillway Design Floods*. Technical Memorandum WBTM Hydro-S. U. S. Weather Bureau, Office of Hydrology, Washington, D. C. October 1967.
15. Rantz, S. E. *Mean Annual Precipitation in the California Region*. Basic Data Compilation. U. S. Geological Survey, Menlo Park, California. 1969.

## KEY TO STATION DESCRIPTIONS

Drainage Basin - Each of the 12 major drainage provinces is given a letter code and the hydrographic units within each are designated by a number code. These are shown on Plate 1.

Alpha Order Number - The alpha order numbers were originally assigned to each station to denote its alphabetic sequence. They are the same numbers used by the National Weather Service in the late 1950s. Alpha-numeric sequence numbers are now assigned by referring to the latest alpha listing of the historic weather station name list.

Subnumber - These numbers supplement the four-digit alpha order number and are used to maintain an alphabetical sequence of station names beyond the capability of the system used by the National Weather Service.

Station Name - When no obvious station name exists, a name must sometimes be devised for a weather station. Frequently this is the name of the nearest post office, followed by the distance and direction in miles and 16 compass points. For example, Canby 11 SW denotes a station located 11 miles southwest of the post office at Canby. When two observers are situated at a single location, the town name is sometimes followed by the name of the observer's location. An example of this: Stonyford Cooley Ranch, where Stonyford is the place name and Cooley Ranch is the observer's site. When two precipitation gages are situated at one site, one can be identified also with a number, such as Folsom No. 2.

The responsibility for selecting the station name rests with the agency or individual who establishes the station.

The space for station names is restricted by the computer to 25 columns; therefore, some abbreviations are necessary.

Some common ones are:

AP	- Airport
PH	- Power House
STA	- Station
HMS	- Highway Maintenance Station
FS	- Fire Station
RS	- Ranger Station

Elevation - The elevation of the ground surface at the gage is expressed to the nearest foot above mean sea level (USGS datum). The elevation is generally obtained by interpolation between the contours of USGS topographic maps.

Section, Township, and Range - The section, township, and range are based on the U. S. Public Land Survey, in which 6-mile-square townships are divided into 36 sections; these are further subdivided into 16 quarter-mile-square lots that contain roughly 40 acres. The township, range, and section used here are identical to those shown on the maps of the U. S. Geological Survey, with the official Department extension of the sectioning into unsurveyed areas.

40-Acre Tract - A letter code identifies the position of each tract within a section. The letters "I" and "O" have been omitted to avoid confusion with the numbers "1" and "0".

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

40-Acre  
Tract

Base and Meridian - The code for this column is:

- G - Gila and Salt River Base and Meridian
- H - Humboldt Base and Meridian
- M - Mount Diablo Base and Meridian
- S - San Bernardino Base and Meridian
- W - Willamette Base and Meridian

Latitude and Longitude - Latitude and longitude are given to the nearest second, when the value is known. The National Weather Service lists its stations by degree and minute only. A zero value or a blank space for seconds in these columns generally means that latitude and longitude have been obtained from the Weather Service and have not been verified in the field by personnel of the Department of Water Resources.

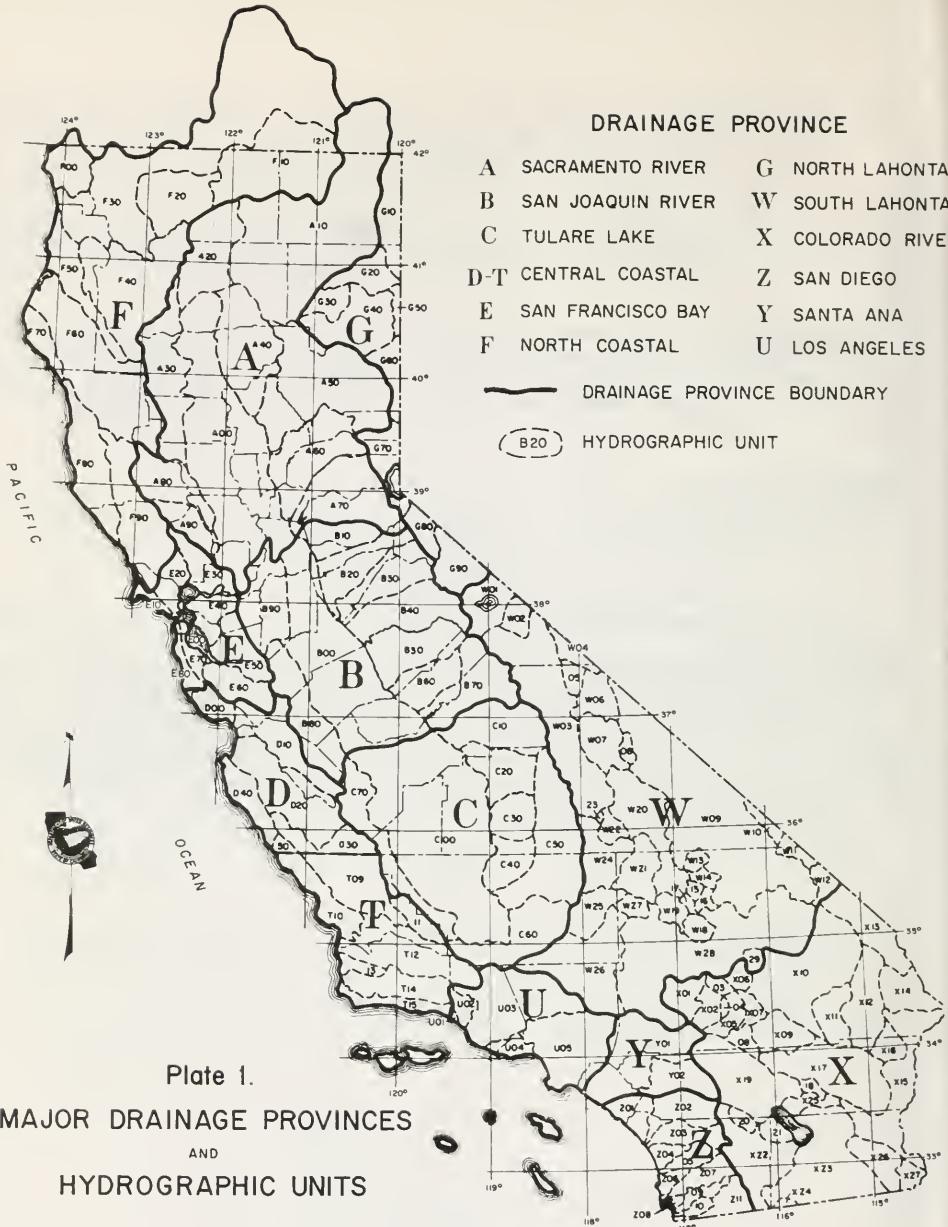


Plate 2 Sheet 1 of 3  
Location of  
DAILY PRECIPITATION GAGES



June 1976

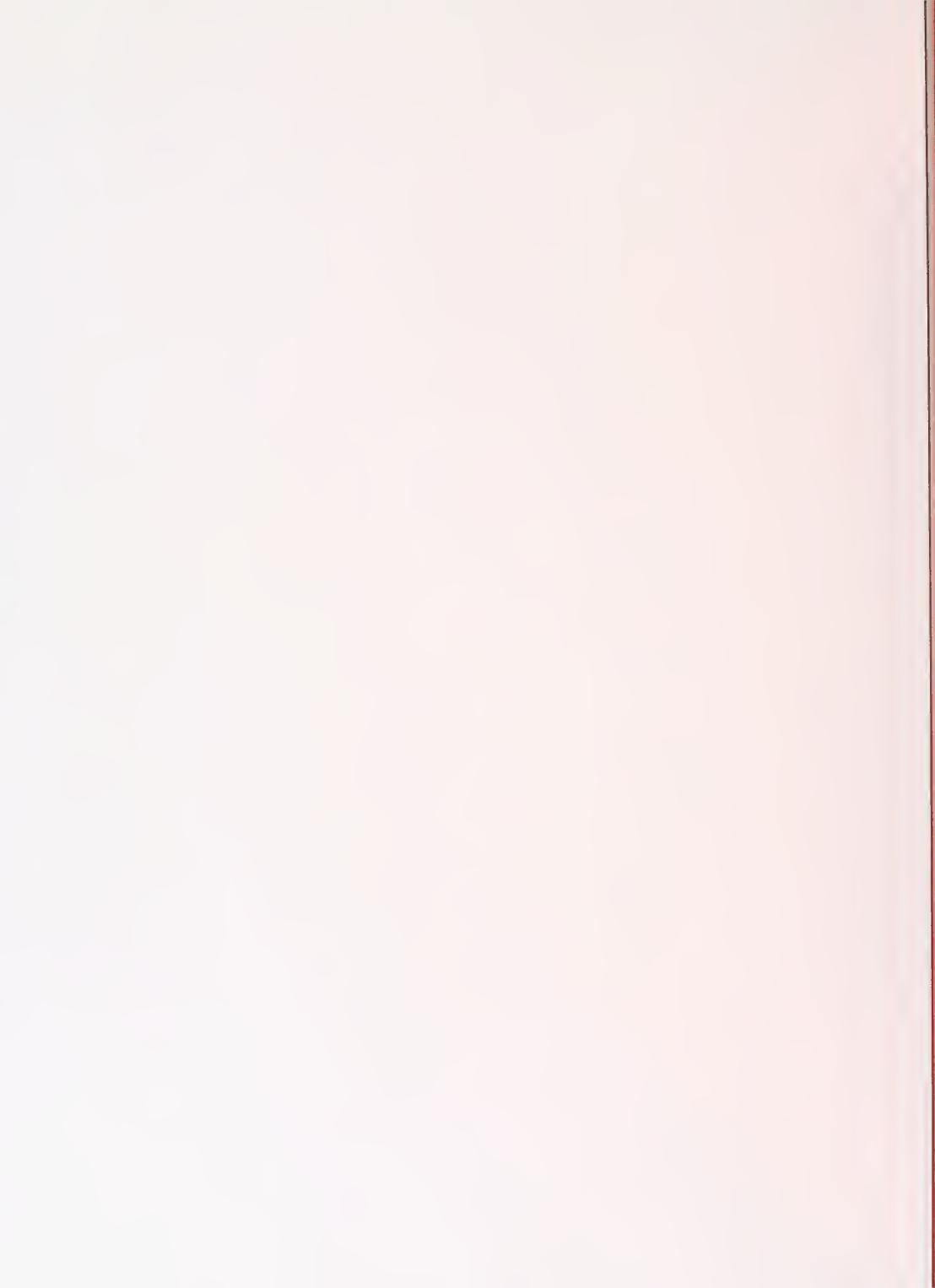


Plate 2 Sheet 1 of 3  
Location of  
**DAILY PRECIPITATION GAGES**

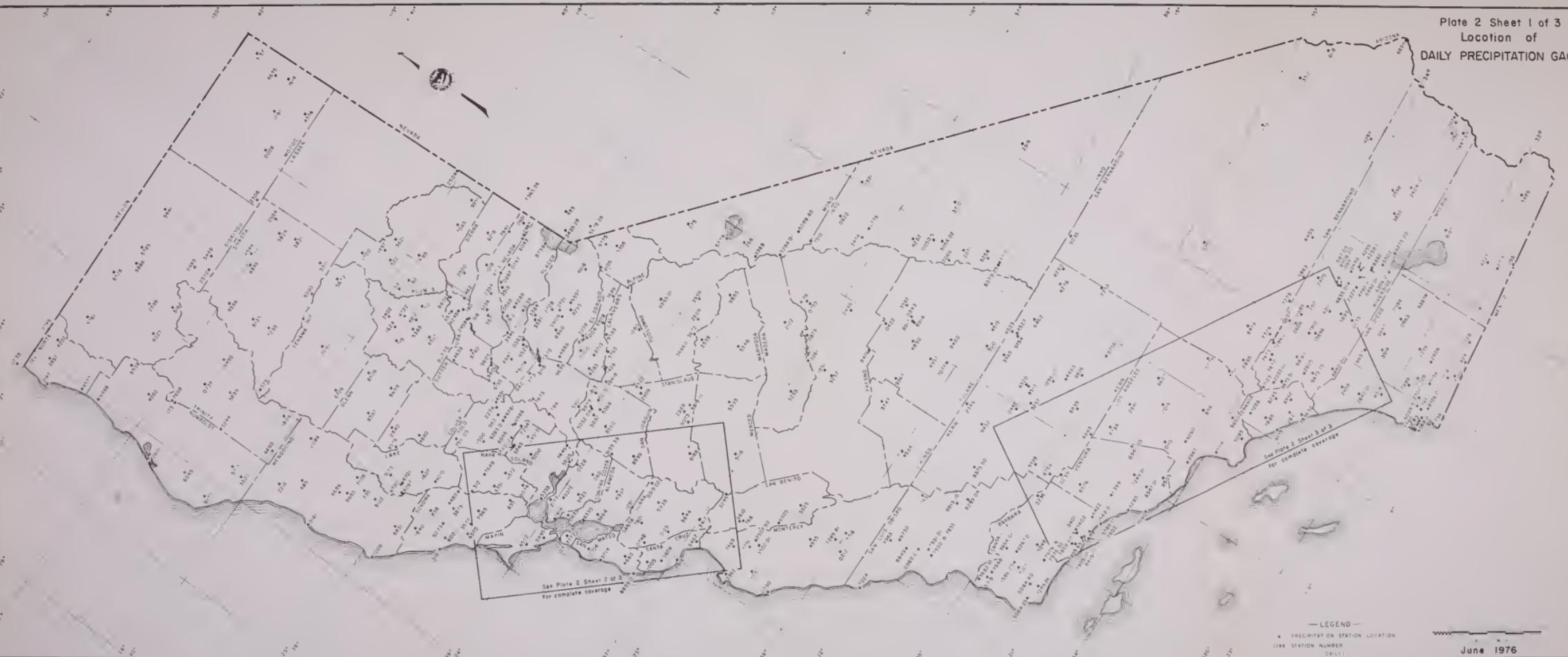
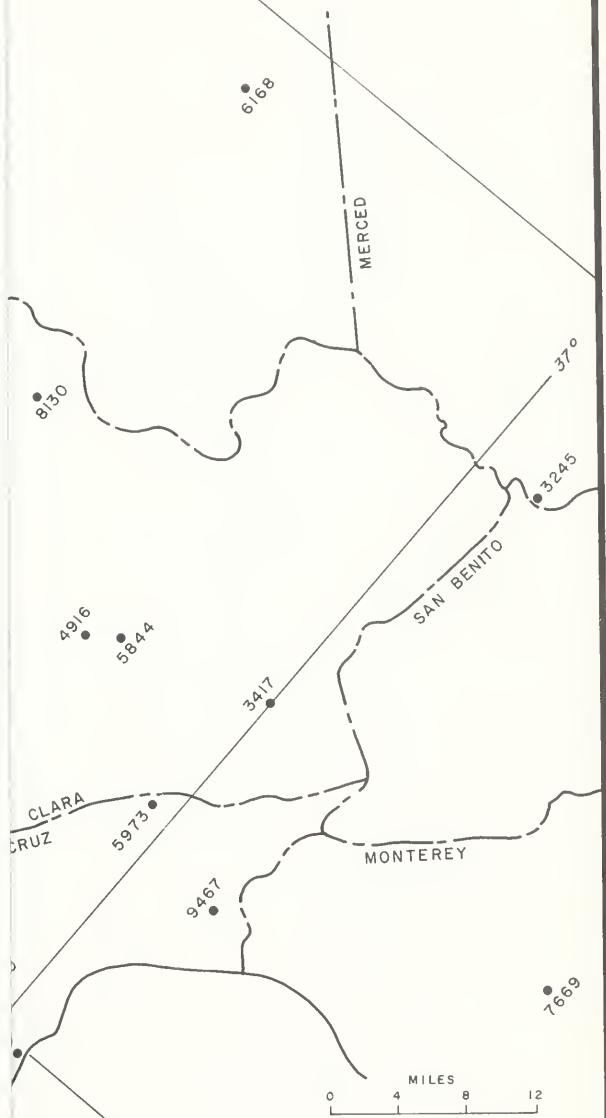




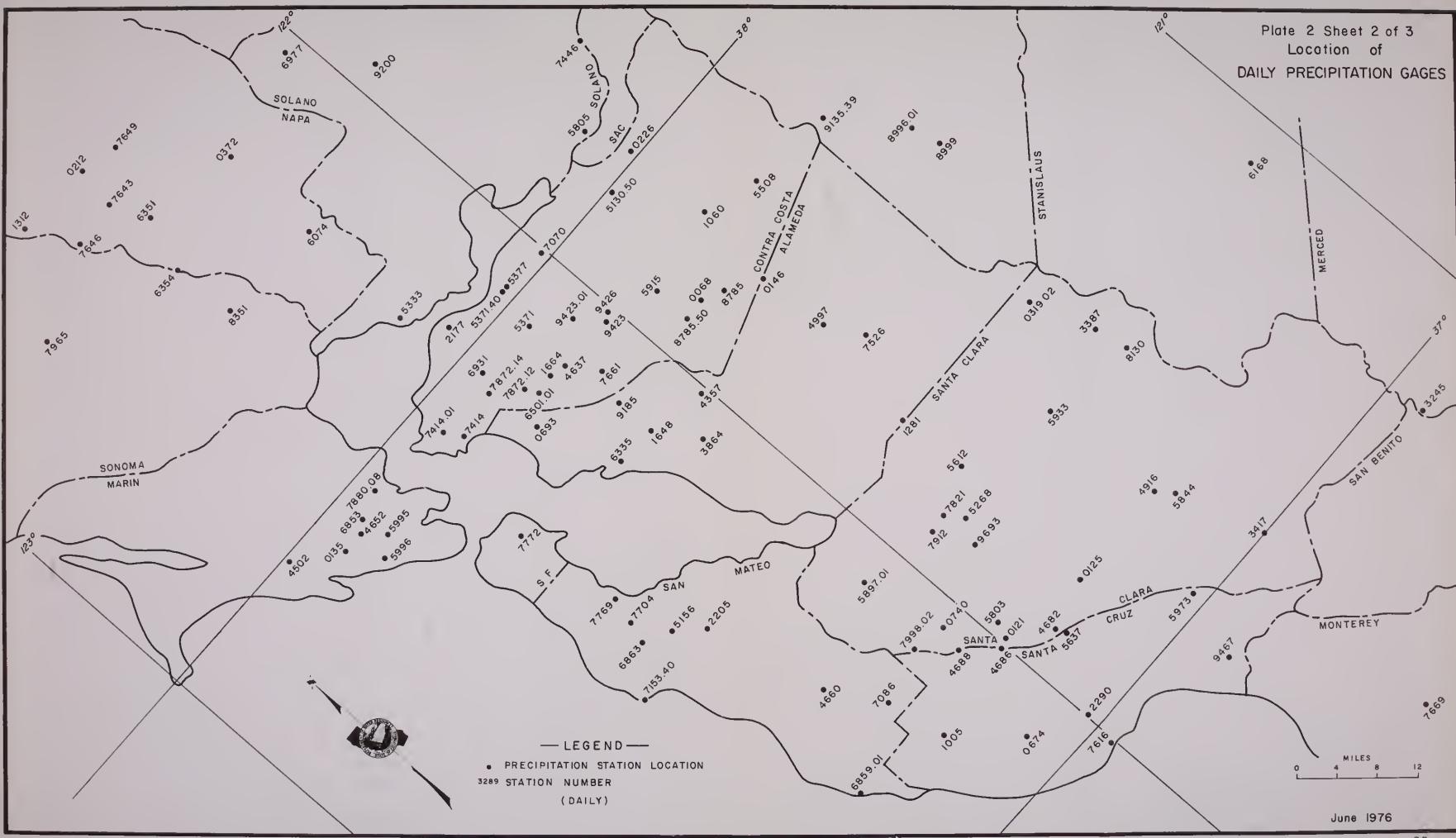
Plate 2 Sheet 2 of 3  
Location of  
DAILY PRECIPITATION GAGES



June 1976

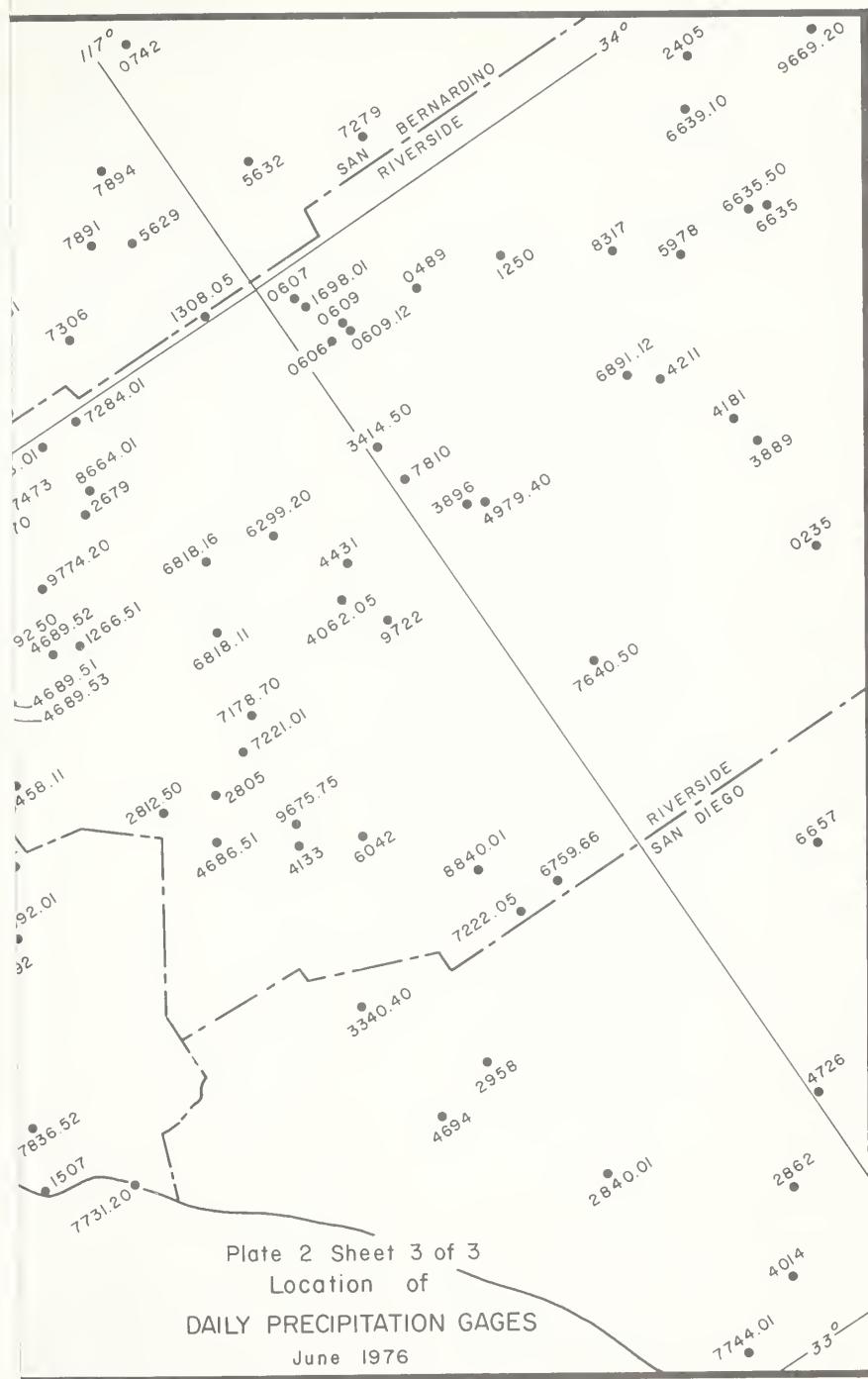


Plate 2 Sheet 2 of 3  
Location of  
DAILY PRECIPITATION GAGES



June 1976







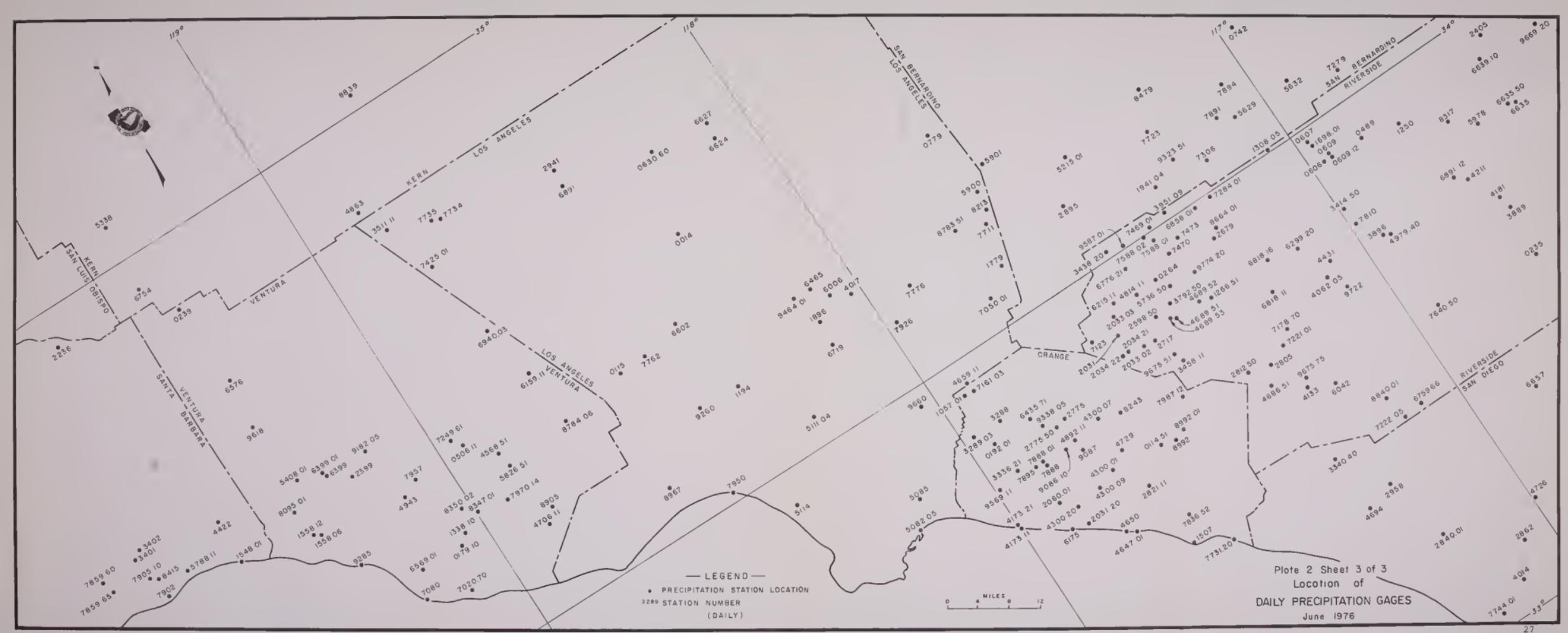
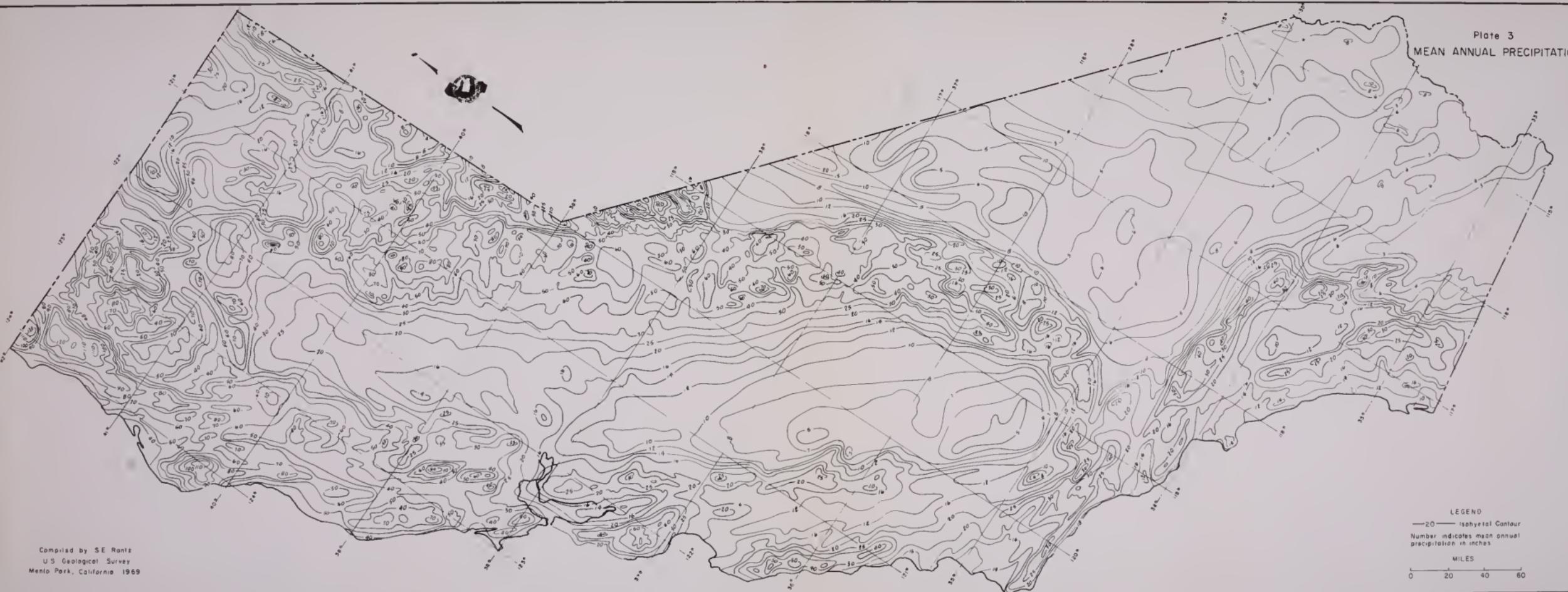








Plate 3  
MEAN ANNUAL PRECIPITATION



Compiled by S.E. Ronz  
U.S. Geological Survey  
Menlo Park, California 1969



Plate 4  
MEAN 24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150

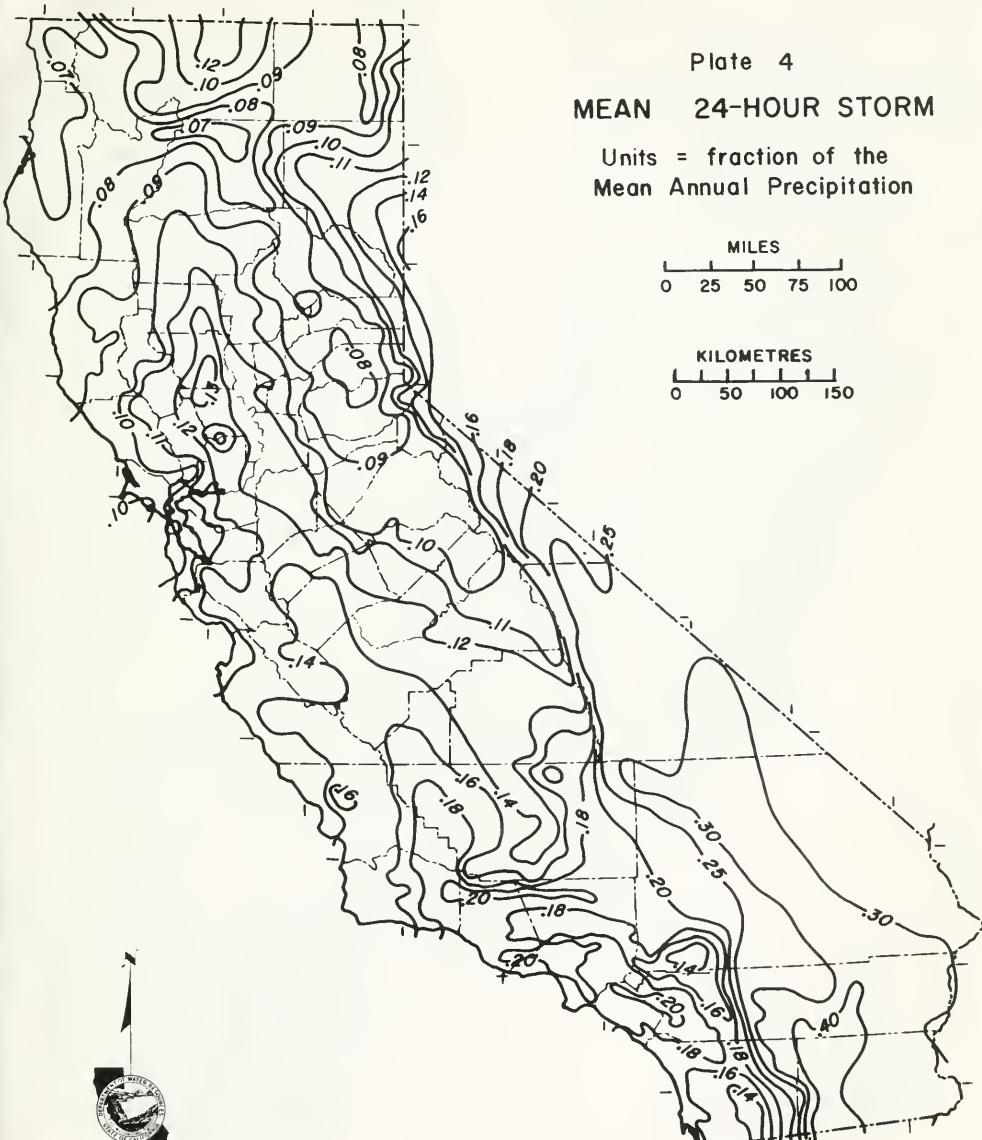


Plate 5

10-YEAR, 24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150

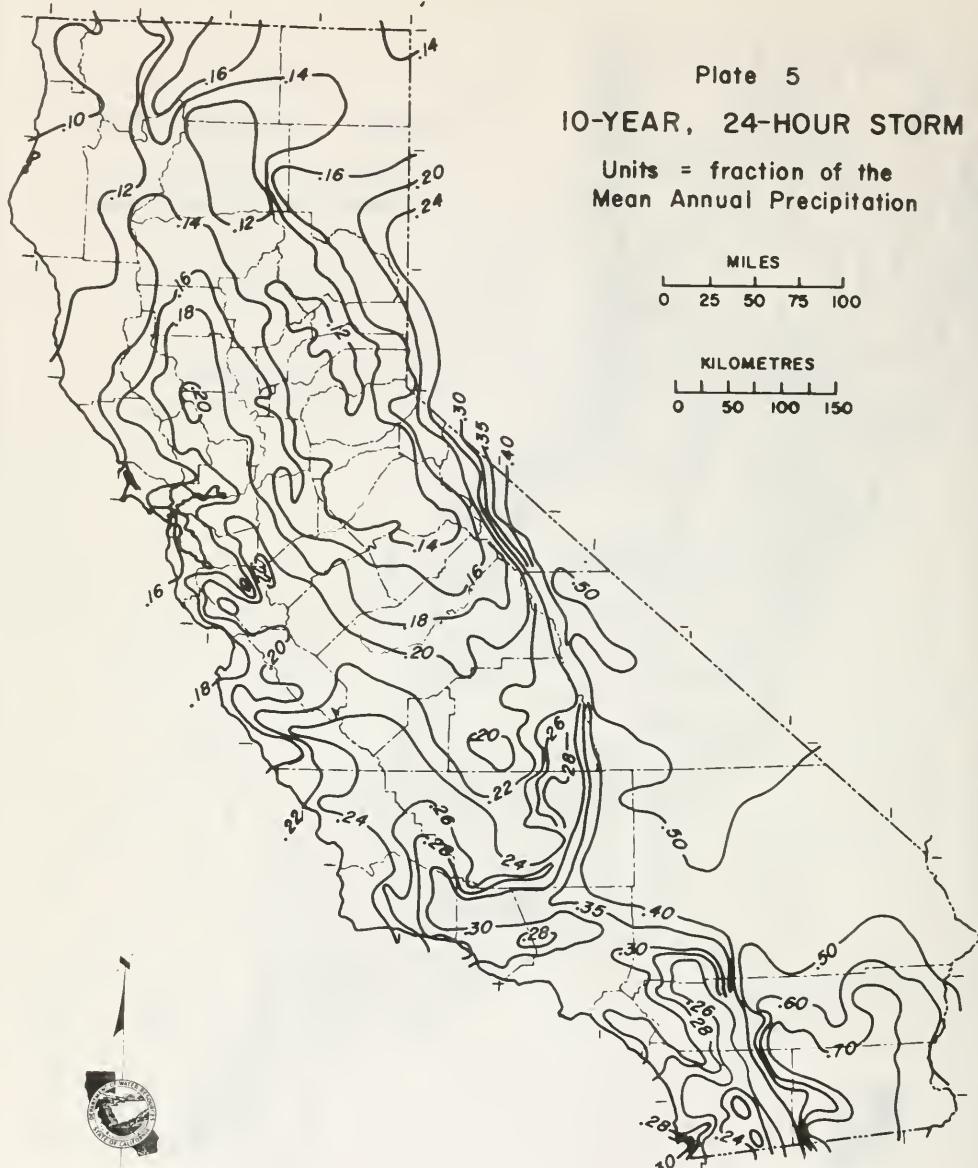


Plate 6  
25-YEAR, 24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150

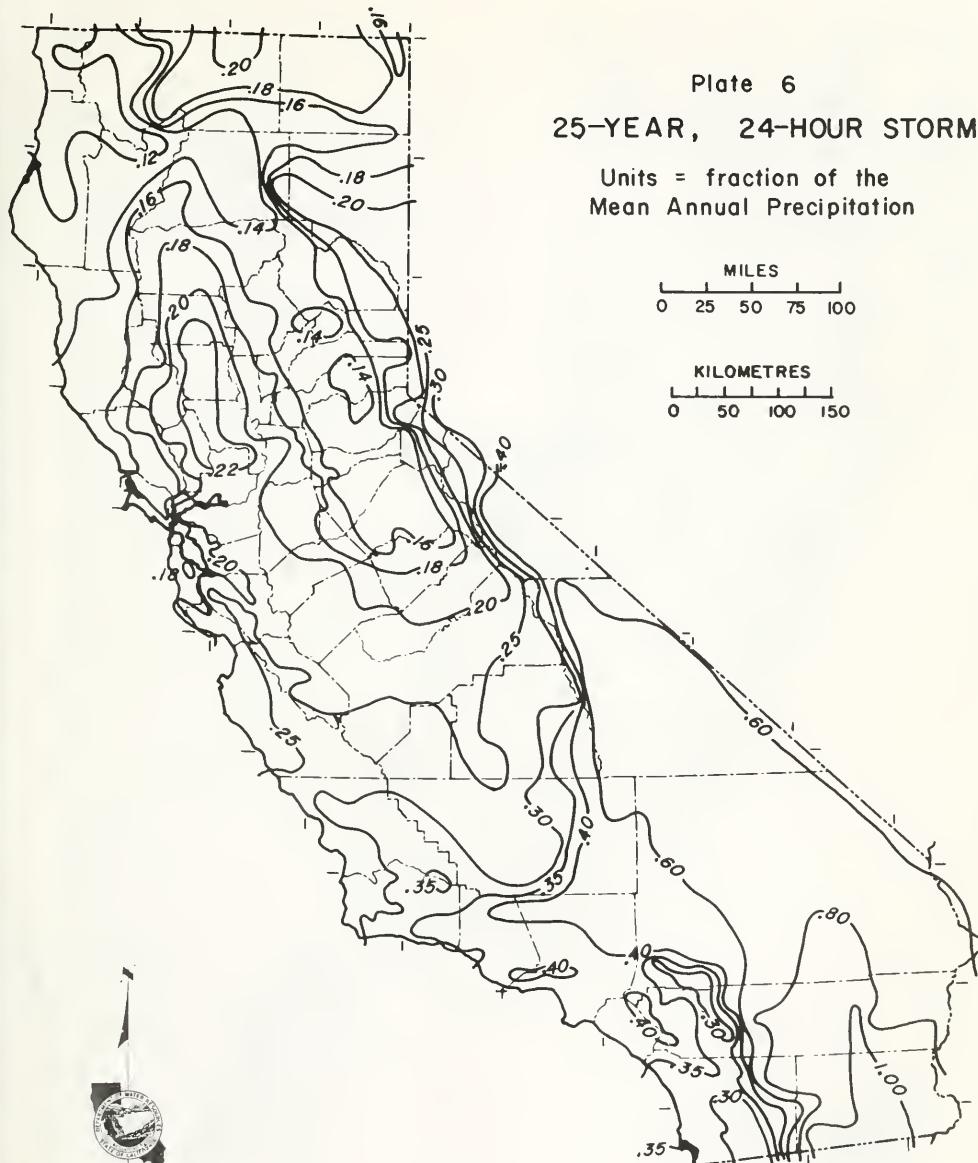


Plate 7

50-YEAR, 24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150

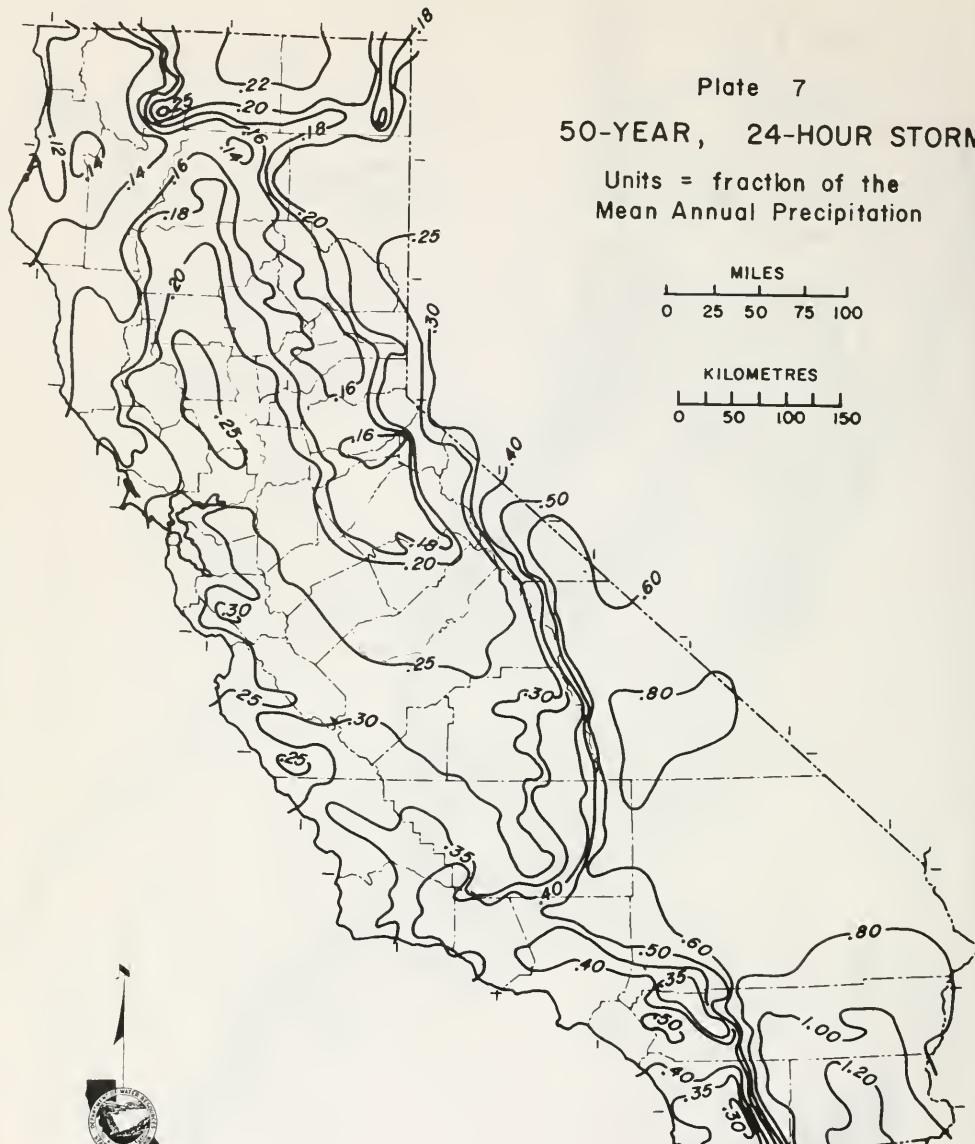
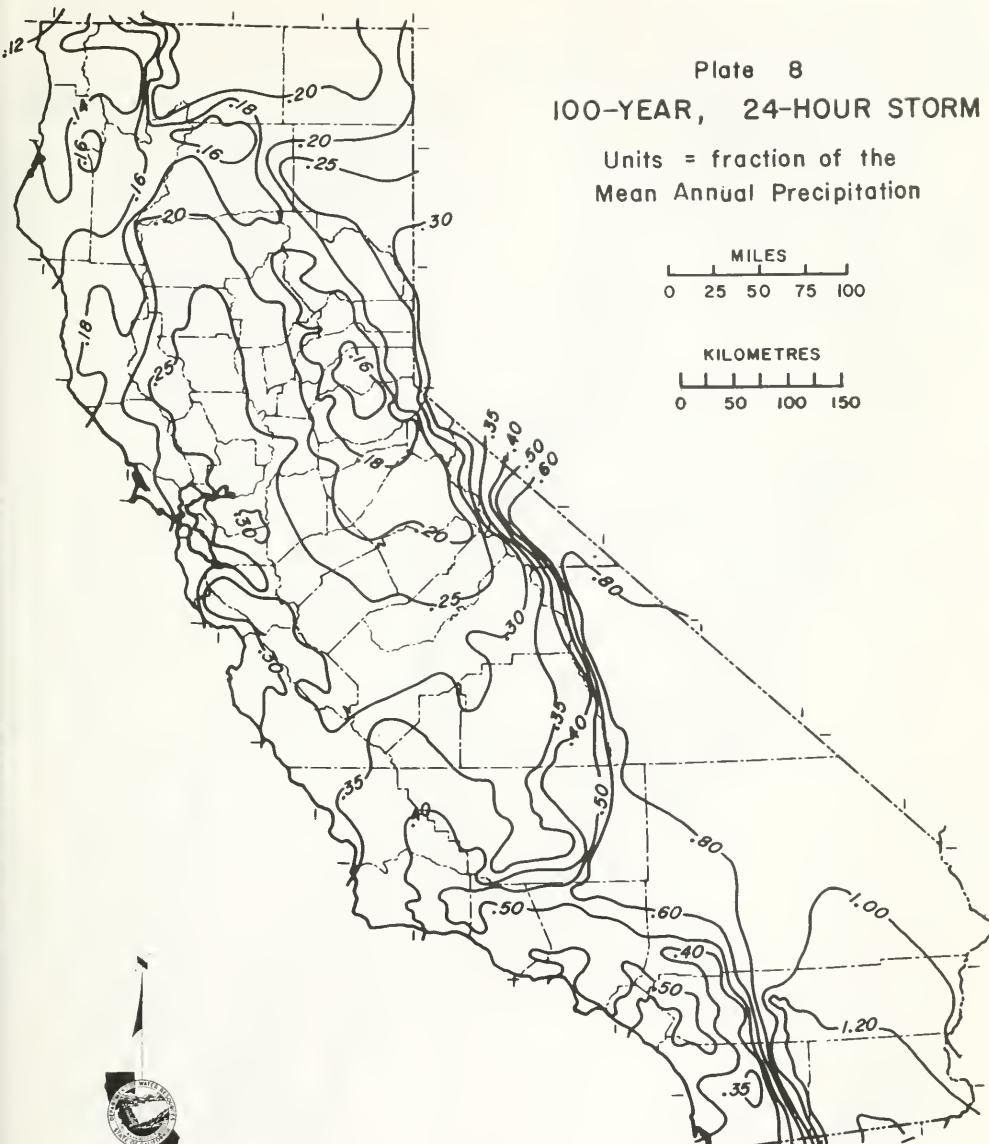


Plate 8  
100-YEAR, 24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150



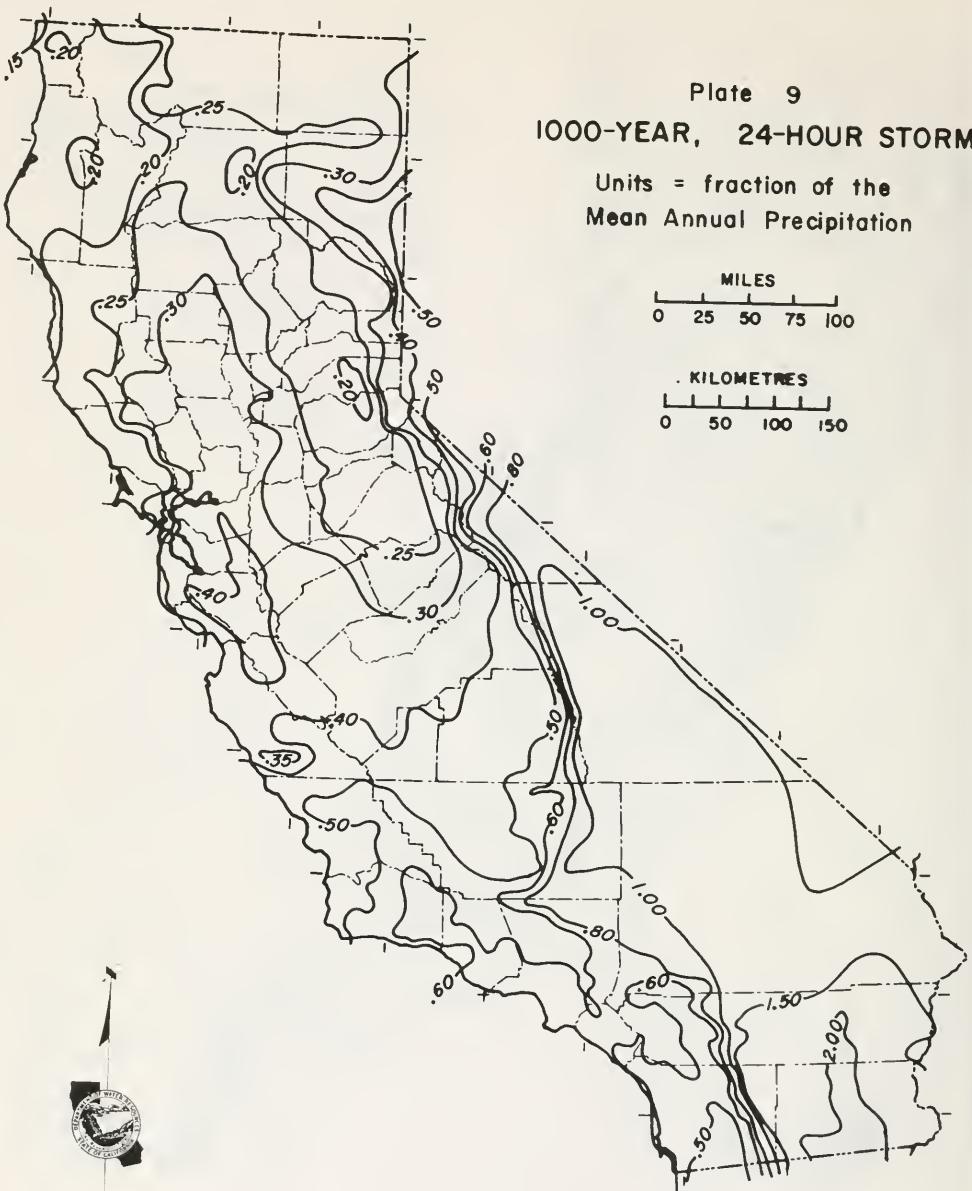


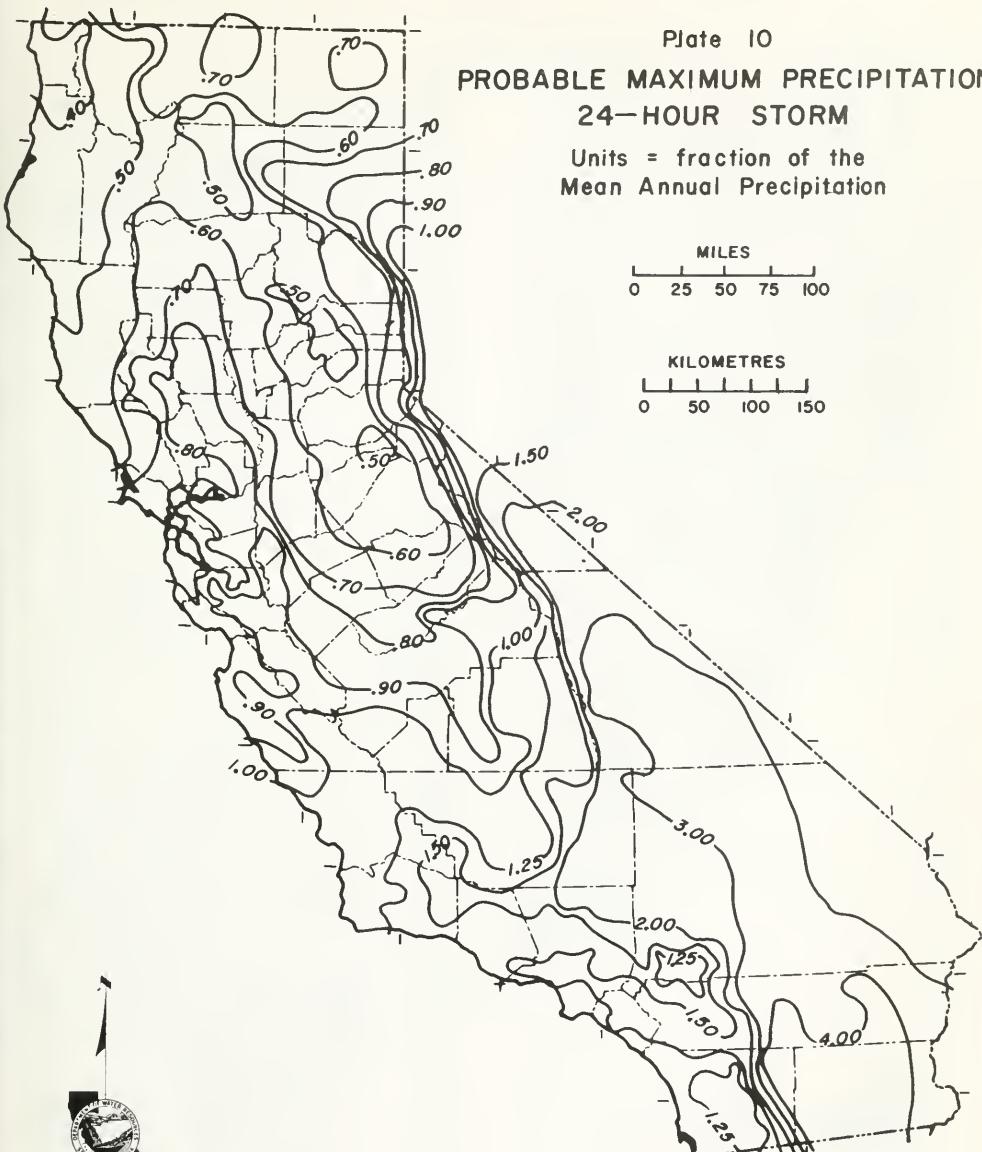
Plate 10

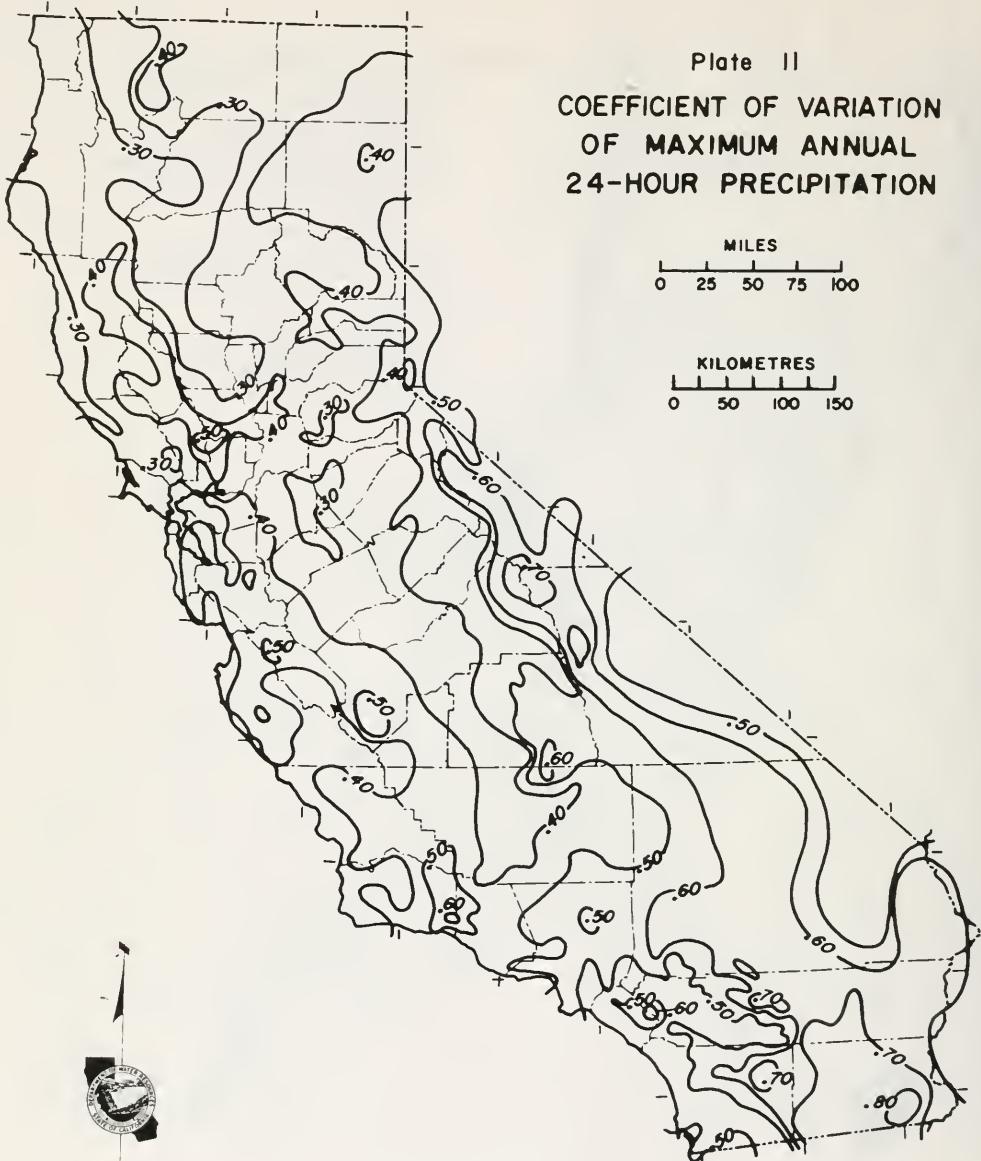
PROBABLE MAXIMUM PRECIPITATION,  
24-HOUR STORM

Units = fraction of the  
Mean Annual Precipitation

MILES  
0 25 50 75 100

KILOMETRES  
0 50 100 150





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TABLES OF  
LONG-DURATION PRECIPITATION FREQUENCY DATA

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
400 568 0 BEAR RIVER HEAD DAM ELEV 1940 SEC 22 TWP 15N RNG 09E LATITUDE N 39°13' LONGITUDE 120°9'53" COUNTY CODE 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	5.59	6.74	7.44	8.26	8.93	9.93	11.09	13.23	14.45	16.94	25.92	41.43
5	5.42	7.69	9.24	10.17	11.21	12.06	13.44	14.95	17.71	19.50	22.85	35.17	63.88
10	6.32	9.08	10.89	11.92	13.71	14.04	15.82	17.30	20.35	22.59	26.39	40.72	72.07
20	7.15	10.40	12.42	13.55	14.87	15.81	17.60	19.43	22.69	25.37	29.57	45.66	79.17
25	7.40	10.81	12.90	14.05	15.42	16.43	18.22	20.08	23.39	26.23	30.53	47.19	81.30
40	7.53	11.67	13.90	14.31	15.69	17.59	19.47	21.41	24.83	27.97	32.50	50.27	85.88
50	8.18	12.07	14.36	15.59	17.08	18.12	20.05	22.92	25.47	28.47	32.44	51.80	87.58
100	8.71	13.10	15.70	17.01	18.46	19.71	21.27	23.87	31.44	36.13	55.95	93.33	167.84
200	9.67	14.50	17.16	18.51	20.24	21.26	23.50	25.66	29.34	33.54	38.73	60.03	92.79
1000	11.31	17.22	20.27	21.75	23.74	24.68	27.27	29.60	33.45	38.70	44.44	66.99	110.53
10000	13.58	21.01	24.59	26.20	28.56	29.72	32.40	34.91	38.89	45.66	52.12	80.98	125.77
PHP	26.79	39.83	47.80	52.19	56.67	60.44	67.84	75.08	84.67	98.33	115.62	180.35	296.05
MEAN	4.307	6.058	7.264	7.969	8.834	9.489	10.501	11.649	13.730	15.191	17.693	27.099	50.521
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.928	1.905	1.463	1.258	1.056	.932	.754	.596	.081	.613	.510	.305	.158
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
KURTOSIS	9.299	9.338	6.683	4.954	4.253	3.727	2.816	2.734	2.045	3.447	2.811	2.343	2.018
N	34	34	34	34	34	34	34	34	34	34	34	30	34
RECORD YEAR	1943	1983	1983	1983	1983	1983	1988	1985	1955	1945	1951	1956	1952
RECORD MAXIMUM	8.450	13.490	16.030	17.470	18.930	19.070	21.430	22.400	30.250	31.700	46.560	72.020	
NORMALIZED MAX	3.074	3.501	3.293	2.990	2.876	2.509	2.098	2.246	1.853	2.758	2.188	2.140	1.634
CALC. COEF. VAR	.313	.349	.366	.399	.397	.397	.389	.374	.341	.360	.362	.336	.260
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	
MEAN/A	.0853	.1201	.1438	.1517	.1749	.1878	.2079	.2306	.2718	.3005	.3502	.5364	1.0000
RP10/A	.1250	.1798	.2155	.2360	.2595	.2780	.3029	.3242	.4028	.4471	.5225	.8059	1.4266
RP25/A	.1465	.2140	.2554	.2783	.3053	.3252	.3606	.3974	.4631	.5191	.6043	.9341	1.4092
RP50/A	.1619	.2389	.2842	.3082	.3380	.3588	.3969	.4359	.5045	.5858	.6522	1.0231	1.7327
RP100/A	.1768	.2632	.3122	.3349	.3701	.3911	.4116	.4546	.5176	.5715	.6376	.7147	1.1747
RP1000/A	.2239	.3409	.4000	.4405	.4699	.4925	.5306	.5820	.6760	.7660	.8301	.9356	2.1879
RP10000/A	.2688	.4159	.4668	.5187	.5653	.5984	.6411	.6911	.7937	.8939	.9317	.9829	2.4949
PHP/A	.5303	.7885	.9461	.0331	1.1217	1.1984	1.3427	1.4881	1.7515	1.9457	2.2886	3.5667	5.6600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE		
400 1715 0	CHICO EXP STA	205	05	21N	02E	M	39°7'00"	122°TR3	04				
MEAN	2.587	3.360	3.812	4.027	4.352	4.577	5.073	5.632	6.602	7.600	9.481	13.910	25.843
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.079	.166	.194	.200	.239	.250	.268	.287	.356	.395	.395	.944	.410
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
KURTOSIS	4.243	7.542	9.041	10.452	9.413	7.517	5.452	3.241	2.679	2.572	3.255	3.195	1.900
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1943	1983	1983	1983	1983	1983	1983	1983	1987	1987	1956	1970	1969
RECORD MAXIMUM	3.900	6.980	8.980	9.308	9.380	9.380	9.360	10.310	11.780	14.790	22.120	37.370	
NORMALIZED MAX	1.740	2.810	3.316	3.493	3.464	3.225	2.980	2.316	1.956	2.072	2.140	2.207	1.589
CALC. COEF. VAR	.292	.378	.409	.380	.334	.325	.285	.287	.267	.265	.262	.273	.281
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	.1001	.1308	.1475	.1558	.1684	.1771	.1963	.2179	.2555	.2941	.3669	.5344	1.0000
RP10/A	.1468	.1958	.2211	.2331	.2499	.2621	.2919	.3236	.3787	.4375	.5473	.8029	1.4266
RP25/A	.1721	.2331	.2520	.2749	.2940	.3067	.3405	.3756	.4353	.5000	.6331	.9305	1.6092
RP50/A	.1902	.2602	.2916	.3049	.3256	.3383	.3746	.4120	.4743	.5574	.7121	1.0192	1.4257
RP100/A	.2077	.2864	.3203	.3339	.3521	.3788	.4046	.4420	.4947	.5574	.7121	1.0192	1.4257
RP1000/A	.2500	.3200	.3433	.3553	.3744	.3948	.4144	.4344	.4644	.5044	.7121	1.0192	1.4257
RP10000/A	.3154	.4530	.4994	.5124	.5644	.5549	.6056	.6531	.7235	.8066	.1.0080	.1.5968	2.4894
PHP/A	.6227	.8567	.9705	1.0207	1.0903	1.1283	1.2680	1.4045	1.6465	1.9042	2.3975	3.5562	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
400 1773 0

STATION NAME CITRUS HEIGHTS

ELEV SEC TWP RNG LOT BWN LATITUDE LONGITUDE COUNTY CODE  
27 138 23 10N 06E M M 38+708 121+296 34

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.24	2.88	3.17	3.58	4.05	4.35	5.00	5.52	6.33	6.98	8.32	11.88	22.25
5	3.01	3.96	4.35	4.89	5.13	5.54	5.87	6.76	7.44	8.48	9.42	11.22	16.12
10	3.51	4.49	4.82	5.13	5.42	5.82	6.14	7.01	7.69	8.74	10.45	12.21	17.64
20	3.97	5.36	5.85	6.52	7.29	7.72	8.85	9.67	10.86	12.25	14.52	20.94	35.64
25	4.11	5.57	6.08	6.77	7.56	8.00	9.16	10.00	11.20	12.57	15.00	21.63	35.59
40	4.18	6.01	6.55	6.89	7.69	8.56	9.79	10.66	11.88	13.51	15.96	23.04	38.52
50	4.54	6.22	6.77	7.50	8.37	8.83	10.08	10.97	12.20	13.90	16.41	23.69	39.40
100	4.96	6.85	7.43	8.22	9.15	9.62	10.96	11.89	13.14	15.07	17.75	25.64	42.01
200	5.36	7.47	8.08	8.91	9.92	10.39	11.82	12.77	14.04	15.20	19.03	27.51	44.47
400	6.28	8.87	9.55	10.41	11.63	12.17	13.71	14.74	16.01	18.49	21.84	31.62	49.75
1000	7.43	10.83	11.59	12.61	13.59	14.47	16.29	17.38	18.61	22.05	25.60	37.12	56.61
PMP	18.87	20.53	22.52	25.12	27.77	29.43	34.11	37.38	42.35	47.48	56.80	82.66	133.25

CLOCK MR. COEF.	2,390	3.127	3.422	3,835	4,329	4,620	5,280	5,860	6,571	7,332	8,691	12+20	22,739
CALCULATED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	2,569	2,188	2,183	2,182	2,182	2,182	1,034	1,883	1,823	1,035	-0.136	-0.044	.230
USED SKEW	1.100	1.100	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	11.581	9.377	9.230	6.497	4.410	3.800	2.428	2.006	1.827	2.198	2.110	3.084	1.897
RECORD YEAR	N	24	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	5,510	7,600	8,630	8,940	9,060	9,060	9,060	9,220	9,570	11,150	13,640	20,570	32,950
NORMALIZED MAX	3,043	3,195	3,349	3,123	2,805	2,626	2,086	1,726	1,373	1,647	1,819	2,202	1,551
CALC. COEF. VAR	.429	.448	.454	.426	.390	.366	.343	.341	.344	.316	.313	.298	.290
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	.324

MEAN/A	.1051	.1375	.1505	.1687	.1904	.2032	.2322	.2551	.2890	.3224	.3822	.5462	1.0000
RP10/A	.1542	.2658	.2255	.2523	.2895	.3007	.3454	.3788	.4283	.4797	.5702	.8207	1.4266
RP25/A	.1807	.2450	.2674	.2976	.3324	.3518	.4028	.4394	.4924	.5570	.6596	.9512	1.6092
RP50/A	.1997	.2735	.2975	.3300	.3680	.3861	.4434	.4822	.5364	.6111	.7216	1,018	1,7327
RP100/A	.2180	.3913	.3268	.3613	.4025	.4231	.4622	.5228	.5780	.6627	.7804	1,1277	1,8474
RP1000/A	.2761	.3903	.4200	.4603	.5116	.5328	.6031	.6861	.7039	.8220	.9605	1,3905	2,1878
RP10000/A	.3314	.4762	.5095	.5545	.6154	.6365	.7165	.7764	.8184	.9699	1,1260	1,6322	2,4894
RP/M/A	.6538	.9027	.9902	1+047	1+2213	1+2943	1+5001	1+6440	1+8624	2+0878	2+4978	3+6350	5+8600

STATION NO.  
BSN ORDER SUB  
400 1907 0

STATION NAME COLMAN FISH HATCHERY

ELEV SEC TWP RNG LOT BWN LATITUDE LONGITUDE COUNTY CODE  
420 01 29N 03W M 40+400 122+133 45

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.17	2.67	3.13	3.45	3.70	4.05	4.77	5.20	6.20	7.07	8.99	13.03	26.02
5	2.61	3.94	4.20	4.71	5.52	5.46	6.45	7.01	8.00	9.46	12.14	17.68	32.93
10	3.39	4.66	5.06	5.82	5.87	6.04	7.50	7.92	8.52	10.55	14.02	20.47	37.94
20	3.84	5.34	5.74	5.78	5.28	5.66	7.19	8.15	9.22	10.63	12.41	15.70	23.96
25	3.98	5.55	6.00	6.51	6.90	7.44	8.75	9.42	10.96	12.83	16.21	21.73	42.80
40	4.05	5.99	6.46	6.63	7.02	7.94	9.35	10.04	11.63	13.68	17.25	25.27	45.05
50	4.43	6.19	6.68	7.22	7.64	8.21	9.63	10.33	11.94	14.07	17.74	25.99	46.08
100	4.80	6.82	7.34	7.91	8.36	8.95	10.47	11.20	12.86	15.26	19.19	28.13	49.13
200	5.19	7.44	7.98	8.51	9.06	9.67	11.29	12.94	13.74	16.40	20.57	30.18	52.01
400	6.05	8.84	9.43	10+07	10+62	11+21	13+10	13+88	15+57	16+79	22+61	34+88	56+19
1000	7.29	10.78	11.44	12.14	12.70	13.46	15.50	16.38	18.21	22.33	27.68	40.71	66.21
PMP	14.39	20.44	22.23	24.18	25.36	27.38	32.57	35.22	41.45	48.08	61.40	70.67	155.85

MEAN/A	2.314	3.114	3.378	3.691	3.953	4.298	5.043	5.464	6.431	7.425	9.396	13.624	26.596
CLOCK MR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.869	.556	.166	.398	.266	.0257	.0475	.1048	.0394	.0173	.0138	.348	.355
REGIONAL SKEW	1.100	1.100	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.600	.400
USED SKEW	1.100	1.100	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.600	.400

KURTOSIS	4.372	2.190	2.103	2.763	2.612	2.791	2.812	2.975	3.692	2.728	2.195	2.082	2.890
RECORD YEAR	N	20	20	20	20	20	20	20	20	20	20	20	20
RECORD MAXIMUM	3,340	1,960	1,969	1,976	1,981	1,986	1,989	1,970	1,958	1,969	1,956	1,952	1,952
NORMALIZED MAX	1,787	1,257	1,391	1,319	1,530	1,610	1,190	1,770	1,645	1,790	1,579	1,613	1,949
CALC. COEF. VAR	.248	.242	.224	.195	.208	.221	.213	.234	.233	.225	.271	.330	.283
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	.324

MEAN/A	.0870	.1171	.1270	.1388	.1486	.1616	.1896	.2055	.2418	.2792	.3533	.5123	1.0000
RP10/A	.1276	.1752	.1904	.2077	.2206	.2391	.2620	.3051	.3584	.4154	.5271	.7697	1.4266
RP25/A	.1495	.2086	.2257	.2449	.2595	.2798	.3289	.3541	.4120	.4823	.6097	.8920	1.6092
RP50/A	.1652	.2329	.2511	.2715	.2873	.3086	.3620	.3884	.4489	.5291	.6670	.9770	1.7327
RP100/A	.1804	.2565	.2759	.2973	.3143	.3364	.3937	.4211	.4837	.5735	.7212	1.0576	1.8474
RP1000/A	.2285	.3323	.3546	.3788	.3994	.4237	.4924	.5200	.5871	.7117	.8884	1.3041	2.1878
RP10000/A	.2874	.4055	.4300	.4584	.4885	.5062	.5650	.6158	.6849	.8398	.10408	1.5300	2.8984
RP/M/A	.5411	.7686	.8398	.9091	.9535	1.0293	1.2248	1.3242	1.5585	1.8077	2.3987	3.4093	5.6600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 400 2274 0	STATION NAME DAN BEST RANCH	ELEV 45	SEC 21	TWP 1IN	RNG 02E	LOT P	BWM N	LATITUDE 38.780	LONGITUDE 121.740	COUNTY CODE 57
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-OAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-OAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.74	2.26	2.65	2.86	3.14	3.39	3.78	4.09	4.50	4.46	5.94	8.61	15.57
5	2.34	3.11	3.63	3.91	4.26	4.57	5.12	5.51	6.02	6.56	9.02	11.68	20.12
10	2.73	3.68	4.28	4.59	4.98	5.32	5.95	6.38	6.91	7.60	9.26	13.52	22.70
20	3.08	4.21	4.88	5.22	5.65	6.02	6.70	7.16	7.71	8.54	10.37	15.17	24.94
25	3.19	4.38	5.07	5.41	5.86	6.23	6.94	7.48	8.14	8.89	10.71	15.47	25.14
50	3.25	4.42	5.46	5.51	5.95	6.47	7.11	7.79	8.44	9.41	11.40	17.70	29.96
100	3.35	4.49	5.54	6.00	6.49	6.87	7.64	8.12	8.66	9.49	11.22	17.17	27.57
200	3.45	5.13	6.20	6.57	7.09	7.49	8.30	8.80	9.33	10.53	12.69	18.58	29.40
1000	4.17	5.87	6.74	7.13	7.69	8.09	8.95	9.40	9.97	11.29	13.59	19.94	31.12
10000	4.88	6.97	7.97	8.37	9.02	9.43	10.35	10.91	11.36	13.03	15.60	22.91	34.82
5.86	8.51	9.67	10.09	10.85	11.27	12.34	12.87	13.21	13.77	18.29	26.90	39.61	
PMP	11.56	16.12	18.79	20.10	21.52	22.92	25.83	27.69	30.06	33.09	40.57	59.90	93.25

MEAN	2,456	2,855	3,069	3,355	3,598	3,999	4,296	4,665	5,110	6,208	9,001	15,913
CLOCK NR. COR.	1,140	1,670	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,500	1,640	1,321	1,205	1,443	1,048	1,139	1,438	1,750	5,535	1,932	1,901
REGIONAL SKEW	1,100	1,300	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
SKEW USED	1,100	1,300	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

KURTOSIS	6.227	5.674	5.946	4.992	5.301	4.549	4.844	3.786	3.210	2.662	4.064	3.575	2.884
N	33	33	33	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1973
RECORD MAXIMUM	3,550	5,250	6,220	6,270	6,690	6,690	7,860	8,120	8,740	8,950	11,690	16,690	26,270
NORMALIZED MAX	2,619	2,704	3,118	2,867	2,696	2,552	2,890	2,653	2,531	2,430	2,922	2,493	2,109
CALC. COEF. VAR	.347	.421	.376	.364	.369	.337	.334	.336	.345	.309	.302	.343	.309
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1166	.1543	.1794	.1928	.2109	.2261	.2513	.2700	.2931	.3211	.3903	.5655	1,0000
RP10/A	.1713	.2310	.2689	.2885	.3129	.3346	.3738	.4099	.4345	.477	.5820	.6459	1,4266
RP25/A	.2007	.2750	.3188	.3402	.3631	.3914	.4563	.4653	.4653	.557	.7528	.9850	1,9022
RP50/A	.2218	.3406	.3738	.3773	.3776	.4318	.4564	.5133	.5142	.6106	.7575	1,0786	.7327
RP100/A	.2429	.4300	.5008	.5263	.5666	.5926	.6521	.5533	.5533	.6500	.7965	1,1677	.1874
RP1000/A	.3009	.5340	.6000	.6263	.6566	.6839	.6839	.7140	.8186	.8186	.9803	1,4399	2,1078
RP10000/A	.3802	.5345	.6074	.6341	.6616	.7082	.7754	.8090	.8302	.9659	1,1493	1,6902	2,4894
PMP/A	.7264	1,0131	1,1806	1,2630	1,3526	1,4402	1,6234	1,7399	1,8892	2,0792	2,5493	3,7642	5,8600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 400 2294 0	STATION NAME DAVIS 2NSW	ELEV 409	SEC 60	TWP 07	RNG 08N	LOT 02E	BWM 0	LATITUDE 38.535	LONGITUDE 121.775	COUNTY CODE 57
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-OAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-OAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.47	2.82	3.04	3.30	3.51	3.89	4.22	4.84	5.36	6.38	9.01	16.10
5	2.65	3.40	3.87	4.15	4.47	4.74	5.26	5.68	6.48	7.23	8.61	12.23	20.81
10	3.09	4.01	4.55	4.87	5.23	5.52	6.12	6.58	7.45	8.37	9.94	14.16	23.47
20	3.49	4.60	5.20	5.53	5.93	6.22	6.89	7.39	8.30	9.40	11.14	15.88	25.79
25	3.62	4.74	5.40	5.74	6.15	6.46	7.13	7.64	8.56	9.72	11.50	16.41	26.46
40	3.68	5.16	5.61	5.94	6.26	6.92	7.62	8.42	9.14	9.90	10.37	15.21	27.87
50	5.00	5.33	5.31	5.36	5.61	6.71	7.31	7.58	8.33	9.17	10.17	15.51	
100	4.37	5.88	6.80	6.97	7.45	7.77	8.54	9.08	10.05	11.57	13.61	19.45	30.40
200	4.73	6.41	7.10	7.56	8.07	8.39	9.20	9.76	10.74	12.43	14.59	20.87	32.18
1000	5.53	7.61	8.48	8.88	9.47	9.79	10.68	11.26	12.24	14.35	16.75	23.99	36.00
10000	6.64	9.29	10.29	10.70	11.39	11.69	12.69	13.28	14.23	16.93	19.63	26.16	40.96
PMP	13.10	17.61	19.99	21.31	22.61	23.78	26.57	28.56	32.39	36.44	43.59	62.71	96.82

MEAN/A	2.106	2,682	3,038	3,253	3,525	3,733	4,112	4,431	5,025	5,627	6,664	9,424	16,454
CLOCK NR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.813	1,127	1,500	1,325	1,199	1,018	1,026	.956	.556	.626	.606	.778	.659
REGIONAL SKEW	1,100	1,300	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
SKEW USED	1,100	1,300	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

KURTOSIS	3,220	4,393	6,640	5,317	4,655	4,386	4,396	3,877	2,801	3,252	2,974	3,272	3,025
N	75	75	75	75	75	75	75	75	75	75	75	75	75
RECORD YEAR	1916	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1941
RECORD MAXIMUM	3,930	5,860	7,810	7,650	7,650	8,330	9,560	9,900	10,210	12,540	13,580	20,180	31,510
NORMALIZED MAX	2,293	2,948	3,956	3,654	3,205	3,299	3,605	3,416	2,708	3,164	2,749	2,813	2,674
CALC. COEF. VAR	.378	.402	.397	.387	.383	.373	.367	.361	.361	.388	.378	.405	.342
REGN. COEF. VAR	.346	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1280	.1630	.1847	.1977	.2142	.2269	.2499	.2693	.3054	.3420	.4055	.5727	1,0000
RP10/A	.1877	.2440	.2767	.2956	.3179	.3357	.3717	.3979	.4527	.5088	.6855	.8605	1,4266
RP50/A	.2200	.2905	.3408	.3484	.3732	.3927	.4354	.4541	.5047	.5268	.6909	.7937	1,0002
RP100/A	.2654	.3572	.4010	.4235	.4629	.4723	.5190	.5774	.5950	.5670	.6462	.7646	1,0923
RP1000/A	.3301	.4626	.5154	.5396	.5756	.5940	.6491	.6841	.7439	.8718	.1,0177	.1,4580	2,0170
RP10000/A	.4034	.5645	.6252	.6501	.6925	.7106	.7711	.8670	.9050	.1,0287	.1,1931	.1,7114	2,4694
PMP/A	.7980	1,0700	1,2515	1,2950	1,3741	1,4450	1,6145	1,7354	1,9684	2,2144	2,6465	3,6114	5,8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 400 2294 6 DAVIS 2 NNE 47 33 09N 02E J M 38°6'47" 121°7'51" 57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.01	2.42	2.78	2.99	3.32	3.55	3.95	4.22	4.93	5.29	6.21	8.96	19.10
5	2.70	3.33	3.81	4.09	4.50	4.80	5.34	5.69	6.51	7.14	8.38	12.16	24.68
10	3.15	3.93	4.49	4.79	5.27	5.58	6.21	6.58	7.59	8.27	9.58	14.08	27.85
20	3.56	4.50	5.12	5.45	5.98	6.31	7.00	7.64	8.46	9.29	10.84	15.75	30.59
25	3.69	4.68	5.21	5.55	6.05	6.30	6.99	7.54	8.24	9.02	11.20	16.26	31.1
40	3.75	5.58	5.73	5.95	6.25	6.50	7.14	8.05	9.26	10.24	11.92	17.36	33.07
50	4.07	5.23	5.92	6.27	6.86	7.21	7.97	8.38	9.50	10.54	12.25	17.87	33.82
100	4.45	5.76	6.50	6.86	7.50	7.86	8.67	9.09	10.24	11.43	13.25	19.34	34.06
200	4.81	6.28	7.07	7.44	8.13	8.49	9.34	9.77	10.94	12.28	14.21	20.75	38.17
1000	5.63	7.46	8.35	8.74	9.54	9.90	10.84	11.27	12.47	14.17	16.31	23.85	42.71
10000	6.76	9.10	10.13	10.54	11.47	11.82	12.88	13.29	14.50	16.72	19.12	28.00	48.59
PMP	13.34	17.24	19.70	20.99	22.77	24.04	25.97	26.58	33.00	36.00	42.41	62.35	114.39

MEAN	2.145	2.627	2.993	3.204	3.550	3.774	4.175	4.434	5.120	5.559	6.489	9.369	19.520
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.667	1.652	2.348	2.115	1.803	1.527	1.221	1.058	.618	.474	.569	.812	.636
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	8.035	5.941	11.000	9.257	7.202	6.158	4.965	4.163	2.774	2.661	3.191	3.776	2.317
N	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.11
RECORD YEAR	1963	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	4.700	6.000	8.570	9.020	9.020	9.020	9.450	9.760	10.070	10.430	12.580	18.470	31.270
NORMALIZED MAX	3.069	2.855	4.006	3.866	3.427	3.260	2.953	2.612	2.371	2.220	2.413	2.101	1.513
CALC. COEF. VAR	.388	.450	.485	.470	.450	.427	.428	.407	.408	.392	.386	.397	.08
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.369	.377	.324	
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.369	.377	.324	

MEAN/A	.1999	.1346	.1533	.1641	.1818	.1933	.2139	.2271	.2623	.2848	.3324	.4800	1.0000
RP10/A	.1812	.2014	.2298	.2458	.2699	.2861	.3181	.3373	.3860	.4037	.4559	.7774	1.4266
RP100/A	.1888	.2288	.2728	.2820	.3075	.3275	.3474	.3674	.4194	.4549	.5177	.8358	1.7327
RP50/A	.2277	.2577	.3032	.3211	.3515	.3493	.4084	.4294	.4869	.5398	.6276	.9155	.7327
RP1000/A	.2279	.2949	.3330	.3516	.3845	.4025	.4442	.4655	.5246	.5853	.6788	.9909	1.8474
RP10000/A	.2886	.3819	.4280	.4479	.4886	.5069	.5555	.5771	.6389	.7260	.8354	1.2219	2.1878
RP100000/A	.3464	.4660	.5191	.5397	.5879	.6056	.6599	.6808	.7428	.8567	.9793	1.4343	2.4894
PMP/A	.6835	.8834	1.0090	1.0751	1.1685	1.2315	1.3818	1.4660	1.6904	1.8441	2.1724	3.1942	5.6600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 400 3740 0 HAMMONTON 131 32 16N 05E J M 39°19' 121°42' 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.09	2.70	3.14	3.48	3.80	4.05	4.65	4.95	5.78	6.31	7.72	10.96	20.83
5	2.81	3.71	4.30	4.76	5.16	5.47	6.29	6.66	7.74	8.52	10.42	14.87	26.92
10	3.27	4.38	5.07	5.58	6.04	6.37	7.31	7.71	8.74	9.66	12.04	17.22	30.37
20	3.70	5.02	5.78	6.34	6.85	7.20	8.24	8.71	9.71	11.08	13.18	18.88	31.36
25	3.82	5.22	5.91	6.41	6.85	7.20	8.24	8.71	9.71	11.08	13.18	19.95	34.26
40	5.27	6.43	7.07	7.22	7.98	9.11	9.55	10.85	12.22	14.82	21.25	30.66	
50	4.23	5.82	6.68	7.30	7.86	8.22	9.38	9.82	11.13	12.57	15.28	21.85	36.88
100	4.62	6.42	7.34	7.99	8.66	9.87	10.21	10.64	12.00	13.62	16.48	23.66	39.32
200	5.00	7.00	7.98	8.67	9.32	9.68	11.00	11.44	12.82	14.65	17.67	25.38	41.63
1000	5.85	8.31	9.44	10.18	10.92	11.29	12.77	13.20	14.61	16.96	20.28	29.17	46.57
10000	7.02	10.14	11.44	12.27	13.15	13.49	15.16	15.78	16.99	19.94	23.77	34.62	52.99
PMP	13.86	19.22	22.24	24.43	26.09	27.43	31.75	33.48	38.60	42.93	52.73	76.25	124.74

MEAN	2.228	2.928	3.380	3.730	4.068	4.306	4.915	5.194	5.998	6.630	8.070	11.458	21.287
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.440	.482	.295	.138	.105	-0.243	.243	.135	.197	.410	.966	1.172	.132
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	5.597	2.799	3.136	2.737	2.362	2.290	2.734	2.559	2.832	3.582	5.235	5.264	2.164
N	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
RECORD YEAR	1916	1916	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1914
RECORD MAXIMUM	4.090	4.720	5.630	6.050	6.290	6.350	8.10	8.40	10.53	12.40	17.40	24.30	31.30
NORMALIZED MAX	2.248	1.808	2.039	1.823	1.947	1.527	1.915	1.640	2.155	2.508	2.915	2.885	3.704
CALC. COEF. VAR	.372	.399	.368	.381	.322	.311	.361	.345	.349	.385	.418	.402	.292
REGN. COEF. VAR	.348	.371	.372	.370	.361	.360	.364	.363	.365	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1047	.1375	.1588	.1752	.1911	.2023	.2309	.2440	.2818	.3115	.3791	.5383	1.0000
RP10/A	.1535	.2380	.2625	.2836	.2993	.3434	.3924	.4176	.4654	.5655	.8088	1.4266	
RP25/A	.1995	.2551	.2621	.2692	.3346	.3502	.4005	.4205	.4801	.5381	.6542	.9374	1.6092
RP50/A	.1988	.2736	.3140	.3428	.3694	.3864	.4408	.4613	.5231	.5904	.7157	1.0267	1.7327
RP100/A	.2171	.3614	.3449	.3754	.4040	.4212	.4794	.5001	.5835	.6402	.7741	1.1113	1.8474
RP1000/A	.2749	.3904	.4433	.4783	.5135	.5304	.5957	.6199	.6863	.7940	.9526	1.3073	2.1878
RP10000/A	.3300	.4764	.5376	.5763	.6177	.6336	.7124	.7313	.7980	.9399	1.1168	1.6085	2.4894
PMP/A	.0511	.0930	1.0449	1.1479	1.2258	1.2885	1.4916	1.5728	1.8159	2.0168	2.4773	3.5822	5.6600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 400 4591 0 KNIGHTS LANDING 35 1A 11N 02E G M 38°8.02' 121°7.16' 57'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	F YR
2	1.79	2.26	2.66	2.86	3.12	3.34	3.77	3.97	4.72	6.07	9.00	15.94	
5	2.40	3.13	3.64	3.91	4.23	4.51	5.10	5.35	6.31	8.22	12.22	20.80	
10	2.80	3.69	4.29	4.58	4.95	5.25	5.92	6.19	7.25	9.53	14.14	23.72	
20	3.16	4.23	4.96	5.21	5.62	5.93	6.68	6.95	8.08	10.72	15.87	26.32	
25	3.28	4.40	5.09	5.46	5.83	6.14	6.91	7.19	8.26	11.42	16.39	27.12	
40	3.33	4.75	5.48	5.80	6.13	6.42	7.38	7.66	8.85	11.82	17.76	26.73	
50	3.42	4.91	5.66	5.99	6.45	6.77	7.50	7.88	9.08	12.17	17.95	29.48	
100	3.95	5.41	6.22	6.56	7.06	7.38	8.27	8.55	9.78	13.20	19.43	31.72	
200	4.28	5.90	6.76	7.11	7.64	7.97	8.91	9.18	10.45	14.19	20.85	33.86	
1000	5.01	7.01	7.99	8.38	8.97	9.29	10.34	10.60	11.92	16.36	23.96	38.57	
10000	6.01	8.55	9.70	10.07	10.79	11.10	12.28	12.50	13.88	19.35	26.13	44.86	
PMP	11.86	16.20	18.84	20.05	21.41	22.58	25.72	26.88	31.53	41.73	62.64	97.05	

MEAN	1.906	2.468	2.864	3.061	3.337	3.545	3.982	4.170	4.892	6.385	9.413	16.563	
CLOCK HR. CDR.	1.140	1.070	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000	
CALCULATED SKEW	.736	.665	.454	.005	.068	.665	.826	.716	.416	.773	.749	.417	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	
KURTOSIS	3.234	2.725	2.654	2.655	2.724	2.897	3.507	3.228	2.411	3.594	3.614	3.168	
N	54	54	54	54	54	54	54	54	54	54	54	54	
RECORD YEAR	1907	1956	1923	1911	1956	1956	1956	1941	1941	1911	1911	1941	
RECORD MAXIMUM	3.140	4.000	4.470	4.900	5.590	6.340	7.300	7.700	8.340	12.650	20.200	30.460	
NORMALIZED MAX	1.921	2.207	1.997	1.943	2.269	2.534	2.664	2.590	2.700	2.976	2.100	2.300	
CALC. COEF. VAR	.337	.292	.281	.303	.298	.311	.318	.337	.335	.315	.318	.305	
REGN. COEF. VAR	.348	.371	.372	.370	.381	.358	.364	.363	.363	.369	.377	.324	
USED COEF. VAR	.348	.371	.372	.370	.381	.358	.364	.363	.363	.369	.377	.324	
MEAN/A	.1151	.1490	.1729	.1848	.2015	.2140	.2404	.2518	.2594	.3855	.5665	1.0000	
RP10/A	.1668	.2231	.2591	.2765	.2990	.3167	.3575	.3737	.4000	.5033	.5756	.6559	.1.19
RP20/A	.1978	.2650	.3072	.3271	.3516	.3705	.4000	.4100	.4500	.5483	.7345	.1.059	.1.372
RP50/A	.2160	.2845	.3248	.3516	.3805	.4098	.4500	.4760	.5160	.5708	.7968	1.1733	.1.9148
RP100/A	.2397	.3266	.3755	.3959	.4260	.4458	.4924	.5160	.5308	.6719	.9893	1.4468	2.3285
RP1000/A	.3023	.4230	.4826	.5045	.5414	.5612	.6024	.6397	.6719	.8093	1.4468	2.3285	
RP10000/A	.3628	.5161	.5854	.6078	.6513	.6704	.7417	.7546	.8365	i.1681	1.6982	2.7087	
PMP/A	.7159	.9784	1.1378	1.2107	1.2925	1.3633	1.5529	1.6228	1.9036	2.5194	3.7821	5.8600	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 400 4638 0 LA FINCA ORCHARD 79 70 10 16N 03E R M 39°24' 121°61' 58'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.62	3.01	3.33	3.52	3.78	4.19	4.57	5.46	5.93	7.19	10.49	20.03
5	2.64	3.60	4.14	4.56	4.78	5.11	5.67	6.16	7.31	8.01	9.70	14.24	25.89
10	3.08	4.25	4.87	5.34	5.59	5.95	6.59	7.13	8.40	9.27	11.21	16.49	29.21
20	3.48	4.87	5.56	6.07	6.34	6.72	7.43	8.01	9.36	10.41	12.55	18.50	32.09
25	3.60	5.05	5.71	6.30	6.85	6.96	7.69	8.24	9.65	10.76	12.90	19.42	32.05
40	3.67	5.06	5.76	6.22	6.71	7.49	7.95	8.83	10.01	11.16	13.80	20.35	34.68
50	3.98	5.65	6.43	6.99	7.28	7.68	8.24	9.08	10.51	11.61	14.18	20.93	35.48
100	4.35	6.22	7.06	7.65	7.97	8.37	9.21	9.85	11.33	12.61	15.34	21.65	37.83
200	4.71	6.79	7.68	8.30	8.63	9.04	9.92	10.55	12.10	13.77	16.45	24.30	40.04
1000	5.51	8.05	9.07	9.75	10.13	10.54	11.51	12.21	13.80	15.89	18.88	27.93	44.80
10000	6.61	9.84	11.00	11.74	12.18	12.59	13.68	14.40	16.04	18.74	22.13	32.79	50.97
PMP	13.04	18.64	21.39	23.39	24.97	25.61	28.64	30.96	36.50	46.09	57.02	119.98	
MEAN	2.097	2.840	3.250	3.571	3.768	4.020	4.433	4.804	5.664	6.231	7.512	10.972	20.475
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.764	1.711	2.764	2.212	1.933	1.322	1.059	.972	.514	.573	.758	.685	.693
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.517	7.664	14.754	11.172	9.740	6.555	5.124	4.660	3.481	3.555	5.402	4.175	3.312
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1938	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	3.160	6.110	9.080	9.130	9.130	9.130	9.130	9.240	10.450	11.390	15.140	20.420	37.660
NORMALIZED MAX	1.815	3.203	4.296	4.103	4.003	3.526	3.089	2.766	2.559	2.608	3.232	2.866	2.707
CALC. COEF. VAR	.279	.355	.417	.379	.355	.360	.343	.341	.330	.317	.345	.337	.310
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	.1024	.1387	.1587	.1744	.1840	.1964	.2155	.2346	.2766	.3043	.3463	.3559	1.0000
RP10/A	.1502	.247	.249	.2609	.2797	.2906	.3220	.351	.4100	.459	.5474	.6052	1.1956
RP20/A	.178	.2472	.2897	.3077	.313	.319	.339	.344	.4044	.4404	.5357	.6131	1.9332
RP50/A	.176	.2475	.3138	.3412	.3589	.3750	.4134	.4436	.5135	.5768	.6927	1.0221	1.7327
RP100/A	.2124	.3039	.3447	.3736	.3901	.4068	.4496	.4809	.5533	.6255	.7492	1.1064	1.8747
RP1000/A	.2690	.3937	.4431	.4760	.4945	.5149	.5823	.5961	.6738	.7758	.9220	1.3643	2.1876
RP10000/A	.3228	.4864	.5374	.5735	.5949	.6151	.6680	.7032	.7834	.9154	.0809	1.6016	2.4894
PMP/A	.6370	.9104	1.0445	1.1424	1.1806	1.2508	1.3987	1.5122	1.7828	1.9706	2.3977	3.5664	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
400 4947 0 LINCOLN AUSTIN 85 160 15 12N 06E F M 38.892 121.204 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.13	2.91	3.21	3.62	4.05	4.20	4.83	5.29	5.93	6.51	8.23	11.26	21.90
5	2.86	4.00	4.40	4.95	5.49	5.66	6.54	7.12	7.94	8.93	11.10	15.28	28.30
10	3.33	4.73	5.19	5.81	6.42	6.61	7.60	8.25	9.13	10.34	12.82	17.69	31.93
20	3.76	5.41	5.92	6.60	7.28	7.47	8.57	9.26	10.17	11.61	14.36	19.84	35.08
25	3.90	5.62	6.15	6.85	7.55	7.73	8.86	9.57	10.49	12.00	14.83	20.50	36.02
40	3.96	5.67	6.18	6.91	7.60	7.80	8.94	9.67	10.60	11.13	12.80	15.74	37.92
50	4.11	6.28	6.84	7.59	8.36	8.53	9.76	10.50	11.37	12.23	14.29	17.55	32.45
70	4.70	6.92	7.52	8.21	9.15	9.30	10.61	11.38	12.31	14.29	17.55	20.30	41.25
100	5.09	7.55	8.17	9.01	9.91	10.04	11.44	12.23	13.16	15.35	18.82	26.08	43.77
1000	5.96	8.96	10.59	11.62	11.71	13.27	14.11	15.00	17.71	21.60	29.97	48.97	
10000	7.15	10.94	11.72	12.76	13.99	13.99	15.76	16.64	17.44	20.90	25.32	35.18	55.72
PMP	14.10	20.73	22.77	25.42	27.79	28.44	33.01	35.79	39.58	44.99	56.17	78.35	131.17

MEAN	2.268	3.158	3.461	3.880	4.326	4.465	5.110	5.553	6.157	6.948	8.596	11.773	22.304
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.048	1.963	2.223	1.889	1.169	1.123	.820	.703	.689	.198	.492	1.164	.651
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	

KURTOSIS	3.745	7.305	9.118	7.696	4.282	4.061	3.110	3.198	2.966	2.149	2.957	5.346	2.409
N	21	21	21	21	21	21	20	20	20	20	20	20	20
RECORD YEAR	1963	1963	1963	1963	1963	1963	1962	1962	1962	1956	1956	1956	1958
RECORD MAXIMUM	3.880	7.430	9.210	9.450	9.450	9.450	10.040	10.920	10.920	15.230	22.720	33.150	
NORMALIZED MAX	1.874	2.818	3.198	3.136	2.596	2.513	1.975	2.050	2.140	1.667	2.152	2.831	1.741
CALC. COEF. VAR	.380	.480	.519	.458	.456	.464	.430	.394	.362	.343	.359	.321	.276
REGN. COEF. VAR	.340	.371	.372	.370	.361	.358	.364	.363	.365	.369	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.369	.377	.324

MEAN/A	.1013	.1411	.1546	.1734	.1933	.1995	.2283	.2481	.2750	.3104	.3840	.5259	1.0000
RP10/A	.1486	.2122	.2317	.2594	.2688	.2952	.3395	.3686	.4077	.4618	.5729	.7762	1.4266
RP20/A	.1741	.2422	.2707	.3054	.3374	.3545	.3916	.4276	.4656	.5062	.6654	.9192	1.6092
RP50/A	.2024	.2807	.3105	.3735	.3735	.3854	.4458	.4689	.5166	.5863	.8251	1.4031	1.377
RP100/A	.2141	.3092	.3388	.3713	.4084	.4740	.5084	.5501	.5079	.7841	1.0859	1.8474	
RP1000/A	.2461	.4005	.4316	.4731	.5193	.5929	.6303	.6700	.7912	.9850	1.3369	2.1878	
RP10000/A	.3193	.4866	.5235	.5701	.6248	.6249	.7043	.7435	.7789	.9336	1.1314	1.5710	2.4896
PMP/A	.6301	.9262	1.0175	1.1355	1.2398	1.2707	1.4746	1.5989	1.7726	2.0097	2.5098	3.5001	5.8600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
400 5305 0 MARYSVILLE 89 62 13 15N 03E K M 39.663 121.584 98

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.55	2.95	3.25	3.53	3.81	4.32	4.81	5.66	6.22	7.43	10.75	20.34
5	2.65	3.50	4.05	4.44	4.79	5.15	5.85	6.48	7.57	8.40	10.02	14.58	26.28
10	3.09	4.14	4.76	5.21	5.61	5.99	6.80	7.50	8.70	9.73	11.58	16.08	29.65
20	3.49	4.74	5.44	5.92	6.36	6.77	7.66	8.43	9.70	10.93	12.97	18.94	32.57
25	3.62	4.93	5.65	6.14	6.59	7.01	7.93	8.71	10.00	11.30	13.37	19.57	33.45
40	3.66	5.32	6.08	6.56	6.71	7.50	8.47	9.29	10.62	12.05	14.46	20.81	35.92
50	4.01	5.50	6.26	6.75	7.20	7.81	8.62	9.53	10.90	12.44	15.85	23.05	36.01
100	4.37	6.06	7.40	7.99	8.43	9.49	10.35	11.74	13.21	14.44	15.85	20.80	38.40
200	4.73	6.61	7.51	8.09	8.65	9.10	10.23	11.13	12.54	14.45	16.99	24.89	40.65
1000	5.53	7.85	8.87	9.50	10.15	10.62	11.87	12.84	14.30	16.67	19.51	26.61	45.47
10000	6.65	9.58	10.76	11.45	12.21	12.68	14.10	15.16	16.62	19.67	22.87	33.50	51.74
PMP	13.10	18.16	20.92	22.80	24.23	25.79	29.92	32.56	37.83	42.34	50.72	74.78	121.80

MEAN	2.106	2.766	3.179	3.401	3.777	4.066	4.569	5.053	5.870	6.539	7.762	11.237	20.786
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.476	1.857	2.296	1.722	1.340	.886	.772	.441	.210	.421	.522	.620	.310
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	5.713	10.107	14.754	10.409	7.361	5.168	3.346	2.664	2.078	3.210	3.207	3.287	2.219
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1962
RECORD MAXIMUM	6.240	7.290	9.260	9.310	9.310	9.310	9.310	9.310	10.300	14.170	15.390	22.420	34.980
CALC. COEF. VAR	2.624	4.493	5.206	4.860	4.469	3.953	3.018	2.513	2.194	3.351	2.6882	2.978	2.284
REGN. COEF. VAR	.359	.364	.362	.364	.328	.329	.344	.335	.344	.341	.334		
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.369	.377	.324	

MEAN/A	.1013	.1331	.1529	.1675	.1817	.1948	.2198	.2431	.2824	.3146	.3734	.5406	1.0000
RP10/A	.1468	.1992	.2292	.2569	.2697	.2828	.3270	.3610	.4160	.4661	.5571	.8123	1.4266
RP20/A	.1741	.2372	.2717	.2953	.3172	.3372	.3713	.3910	.4112	.4613	.5814	.8192	1.4942
RP50/A	.2024	.2807	.3024	.3232	.3534	.3730	.4177	.4595	.5023	.5963	.7051	1.3011	1.7327
RP100/A	.2141	.3092	.3388	.3742	.4084	.4405	.4956	.4982	.5648	.6466	.7825	1.181	1.8674
RP1000/A	.2661	.3770	.4269	.4571	.4883	.5107	.5709	.6176	.6879	.0202	.9384	1.3763	2.1078
RP10000/A	.3194	.4609	.5170	.5507	.5874	.6101	.6702	.7285	.7990	.9463	1.1001	.1615	2.4894
PMP/A	.6301	.8737	1.0064	1.0970	1.1657	1.2406	1.5667	1.8201	2.0371	2.4404	3.5976	5.8600	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 95 20 30 03N 03E E M 38.076 121.064 48  
400 5805 0 MONTEZUMA MILLS (89)

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.45	1.81	2.01	2.17	2.36	2.59	2.86	3.17	3.70	3.99	4.75	6.92	12.46	
5	1.94	2.46	2.76	2.97	3.21	3.50	3.87	4.27	4.96	5.38	6.41	9.39	16.13	
10	2.26	2.93	3.25	3.48	3.75	4.08	4.50	4.94	5.70	6.23	7.40	10.57	18.20	
20	2.56	3.36	3.71	3.95	4.26	4.60	5.08	5.55	6.35	7.08	8.29	12.19	19.99	
25	2.65	3.49	3.82	4.10	4.44	4.77	5.25	5.70	6.51	7.24	8.50	12.02	19.53	
50	3.10	3.77	4.13	4.47	4.9	5.16	5.51	6.11	6.95	7.72	9.11	13.42	21.81	
50	2.93	3.50	3.89	4.29	4.55	4.89	5.26	5.78	6.29	7.13	7.94	9.36	13.80	22.10
100	3.20	4.29	4.71	4.98	5.35	5.73	6.29	6.82	7.69	8.61	10.13	14.93	23.57	
200	3.46	4.68	5.12	5.40	5.79	6.19	6.76	7.32	8.21	9.25	10.86	16.02	24.95	
1000	4.05	5.56	6.06	6.34	6.80	7.22	7.86	8.45	9.36	10.61	12.46	16.41	27.91	
10000	4.85	6.79	7.35	7.65	8.18	8.63	9.24	9.97	10.88	12.60	14.61	21.01	31.76	
PMP	9.59	12.88	14.28	15.23	16.22	17.54	19.56	21.43	24.77	27.13	32.41	46.13	74.76	

MEAN	1.542	1.959	2.170	2.325	2.299	2.754	3.027	3.326	3.843	4.189	4.959	7.233	12.757
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.184	1.120	1.142	1.157	1.231	.892	.823	.669	.508	.424	.832	.732	.693
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.805	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.800	.700	.700	.400

KURTOSIS	4.802	9.071	6.552	6.840	4.911	3.540	3.062	2.828	2.673	2.489	3.106	2.869	2.790
N	42	42	42	42	42	42	42	42	42	42	42	42	41
RECORD YEAR	1963	1963	1963	1963	1963	1941	1941	1941	1941	1941	1941	1941	1958
RECORD MAXIMUM	2.750	3.750	4.550	5.300	5.300	5.200	5.960	7.180	7.580	9.510	13.400	23.450	
NORMALIZED MAX	2.519	3.044	3.480	3.670	3.280	2.746	2.930	2.384	2.405	2.405	2.423	2.423	
CALC. COEF. VAR	.311	.300	.315	.309	.304	.337	.347	.332	.342	.357	.352	.350	.344
REGN. COEF. VAR	.344	.311	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.324
USED COEF. VAR	.348	.371	.371	.372	.370	.361	.358	.364	.363	.363	.365	.377	.324

MEAN/A	.1209	.1536	.1701	.1822	.1982	.2159	.2373	.2607	.3012	.3284	.3888	.5600	.8519	1.4266
RP10/A	.1773	.2299	.2945	.2723	.2472	.3195	.3530	.3872	.4465	.4886	.5460	.8519	.8519	
RP20/A	.2074	.237	.3225	.325	.325	.344	.317	.317	.317	.317	.317	.317	.317	
RP50/A	.2296	.3306	.3893	.3845	.382	.4123	.4531	.4928	.5392	.5224	.7340	1.0514	.9297	
RP100/A	.2509	.3694	.3904	.4191	.4498	.4928	.5343	.6025	.6749	.7938	1.1703	1.4874		
RP1000/A	.3175	.4360	.4748	.4974	.5327	.5661	.6164	.6624	.7337	.8371	.9769	1.4643	2.1878	
RP10000/A	.3811	.5320	.5959	.5993	.6406	.6763	.7322	.7813	.8531	.9878	1.5453	1.6943	2.4894	
PMP/A	.7520	1.0083	1.1192	1.1937	1.2771	1.3752	1.5331	1.6802	1.9414	2.1284	2.3773	5.8600		

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 47 07 12N 04E M 38.900 121.5A3 91  
400 6193 0 NICOLAUS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	200	300	600	F YR	
2	1.74	2.20	2.67	2.91	3.15	3.37	3.75	4.03	5.24	6.05	8.74	16.76	
5	2.34	3.10	3.66	3.97	4.28	4.55	5.07	5.44	7.03	8.20	11.88	21.88	
10	2.72	3.66	4.31	4.65	5.01	5.29	5.90	6.29	8.08	9.50	13.73	24.94	
20	3.08	4.19	4.92	5.30	5.68	5.98	6.65	7.08	9.01	10.68	15.41	27.85	
25	3.30	4.49	5.14	5.71	5.99	6.49	6.10	6.55	7.70	9.10	13.74	28.52	
40	3.25	4.71	5.51	5.99	6.35	6.63	7.05	7.78	9.86	11.78	17.95	30.22	
50	3.53	4.87	5.69	6.09	6.52	6.83	7.57	8.01	10.12	12.12	17.43	31.00	
100	3.85	5.36	6.25	6.67	7.13	7.43	8.23	8.61	10.91	13.15	18.67	33.39	
200	4.17	5.85	6.80	7.23	7.73	8.04	8.87	9.33	11.66	14.14	20.24	35.60	
1000	4.88	6.95	8.03	8.50	9.07	9.38	10.30	10.76	13.29	16.33	23.27	40.96	
10000	5.85	8.47	9.74	10.24	10.81	11.20	12.23	12.70	15.46	19.28	27.31	47.10	
PMP	11.55	16.06	18.94	20.39	21.64	22.78	25.61	27.30	35.23	41.59	60.62	102.00	

MEAN/A	1.897	2.447	2.878	3.113	3.374	3.576	3.965	4.236	5.440	6.364	9.139	17.417	
CLOCK HR. COR.	1.140	1.076	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.339	2.501	2.370	1.912	1.647	1.319	.977	.705	.611	.578	.726	.526	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.800	.700	.700	.700
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.800	.700	.700	.700

KURTOSIS	5.222	13.725	14.666	10.479	9.319	6.870	4.441	3.375	3.250	3.152	3.387	2.806	
N	54	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1926	1926	1926	1914	1941
RECORD MAXIMUM	3.530	6.940	6.630	8.730	8.730	6.730	6.730	6.730	11.180	12.390	17.690	32.460	
NORMALIZED MAX	2.407	4.306	4.734	4.370	4.626	3.917	3.220	2.840	2.944	2.944	2.716	2.539	
CALC. COEF. VAR	.316	.368	.422	.413	.379	.356	.308	.368	.350	.350	.358	.358	.327
REGN. COEF. VAR	.340	.371	.372	.370	.371	.361	.356	.364	.363	.363	.363	.369	.324
USED COEF. VAR	.348	.371	.371	.372	.370	.361	.356	.364	.364	.364	.364	.369	.324

MEAN/A	.1066	.1403	.1682	.1788	.1937	.2053	.2276	.2432	.3123	.3694	.5247	1.0000	
RP10/A	.1564	.2103	.247	.2674	.3039	.3382	.3632	.4526	.5496	.7064	1.4319		
RP25/A	.1916	.2464	.293	.3534	.3381	.3784	.3949	.4102	.5344	.6341	.9137		
RP50/A	.2028	.2795	.3247	.3497	.3744	.3922	.4346	.4598	.5813	.6961	1.0000	1.7798	
RP100/A	.2212	.3678	.3599	.3829	.4493	.4275	.4727	.4985	.6264	.7552	1.0633	1.9148	
RP1000/A	.2901	.3987	.4612	.4679	.5205	.5384	.5912	.6160	.7633	.9377	1.3358	2.3285	
RP10000/A	.3362	.4863	.5394	.5678	.602	.6432	.7023	.7289	.8677	1.1071	1.5680	2.7087	
PMP/A	.6633	.9222	1.0873	1.1709	1.2426	1.3060	1.4705	1.5675	2.0224	2.3878	3.4920	5.860	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 104 254 21 22N 03W M 39.750 122+200 11

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.05	2.57	2.83	3.08	3.29	3.52	3.90	4.28	5.02	5.47	6.62	9.63	18.18
5	2.75	3.53	3.69	4.21	4.47	4.75	5.27	5.77	6.72	7.39	8.94	13.07	23.49
10	3.21	4.17	4.56	4.93	5.22	5.53	6.13	6.68	7.72	8.55	10.32	15.13	26.50
20	3.63	4.77	5.23	5.61	5.93	6.25	6.91	7.50	8.60	9.61	11.54	16.97	29.11
25	3.76	4.96	5.43	5.82	6.13	6.47	7.15	7.76	8.87	9.93	11.94	17.53	29.90
40	3.82	5.36	5.85	6.24	6.56	6.93	7.64	8.27	9.41	10.59	12.74	18.54	31.47
50	4.15	5.24	5.74	6.16	6.55	6.94	7.61	8.27	9.46	10.98	13.16	19.20	32.19
100	4.60	6.10	6.63	7.06	7.44	7.78	8.56	9.22	10.41	11.62	14.13	20.29	34.32
200	4.91	6.66	7.22	7.66	8.06	8.40	9.22	9.91	11.13	12.70	15.15	22.30	36.33
1000	5.74	7.91	8.53	9.00	9.80	10.70	11.43	12.68	14.66	17.39	25.63	40.64	
10000	6.89	9.65	10.34	10.64	11.30	11.71	12.71	13.49	14.74	17.29	20.39	30.09	46.25
PMP	13.60	18.29	20.10	21.59	22.59	23.81	26.62	29.00	33.95	37.23	45.22	67.01	108.86
MEAN	2.187	2.785	3.055	3.296	3.520	3.737	4.120	4.500	5.206	5.750	6.920	10.069	18.577
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.983	.175	-0.127	.084	.083	.058	.309	.225	.130	.322	.604	.942	.982
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.245	3.528	2.833	2.759	2.764	2.499	2.881	2.840	2.777	3.014	3.152	4.473	4.775
N	76	76	76	76	76	76	76	76	76	76	76	76	76
RECORD YEAR	1925	1925	1925	1934	1925	1911	1911	1941	1902	1902	1941	1941	1941
RECORD MAXIMUM	4,280	4,630	4,830	5,370	5,760	5,930	7,400	8,100	9,260	11,130	14,260	24,240	41,440
NORMALIZED MAX	3,056	2,520	2,073	2,165	2,237	2,039	2,626	2,552	2,400	2,699	2,780	3,700	3,911
CALC. COEF. VAR	.313	.290	.280	.290	.284	.288	.311	.320	.324	.347	.382	.380	.351
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	.1177	.1499	.1645	.1774	.1895	.2012	.2218	.2422	.2802	.3095	.3725	.5460	1.0000
RP10/A	.1726	.2244	.2465	.2655	.2612	.2977	.3299	.3597	.4154	.4695	.5557	.8144	1.4262
RP25/A	.2023	.2672	.2922	.3131	.3303	.3463	.3937	.4175	.4754	.5305	.6426	.8750	1.5929
RP50/A	.2236	.2950	.3251	.3450	.3593	.3845	.4239	.4505	.5202	.5866	.7333	.10338	1.7327
RP100/A	.2411	.3885	.4181	.4381	.4406	.4489	.4605	.4964	.5605	.6341	.7606	.11150	1.8747
RP1000/A	.3091	.4256	.4590	.4643	.5092	.5279	.5670	.6154	.6826	.7890	.9360	.13798	2.1878
RP10000/A	.3711	.5193	.5566	.5839	.6126	.6302	.6843	.7260	.7937	.9310	1.0974	1.6195	2.4894
PMP/A	.7322	.9843	1.0821	1.1623	1.2136	1.2615	1.4327	1.5612	1.8061	2.0040	2.4342	3.6070	5.8600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 165 18 19N 04E F M 39.508 121+567 04

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.49	3.27	3.75	4.10	4.45	4.76	5.44	5.97	7.08	7.66	9.56	13.94	27.05
5	3.34	4.49	5.15	5.61	6.04	6.43	7.36	8.04	9.47	10.61	12.90	18.92	34.95
10	3.90	5.30	6.05	6.37	7.07	7.49	8.56	9.31	10.88	12.29	14.90	21.90	39.43
20	4.41	6.07	6.92	7.47	8.02	8.46	9.64	10.45	12.13	13.81	16.69	24.57	43.32
25	4.56	6.25	7.16	7.75	8.31	8.76	9.98	10.80	12.51	14.27	17.24	25.07	44.88
40	4.64	6.82	7.71	8.28	8.86	9.46	10.66	11.47	13.28	15.06	17.35	25.06	45.53
50	5.04	7.65	7.99	8.26	9.20	9.67	10.80	11.65	13.23	15.56	18.86	27.81	47.89
100	5.31	7.77	8.78	9.41	10.07	10.54	11.94	12.85	14.69	16.98	20.40	30.10	51.07
200	5.96	8.47	9.35	10.21	10.91	11.38	12.87	13.81	15.69	18.29	21.87	32.29	54.05
1000	6.97	10.05	11.29	11.99	12.60	13.27	14.94	15.93	17.89	21.06	25.10	37.11	60.46
10000	0.37	12.27	13.69	14.45	15.39	15.85	17.75	18.79	20.80	24.85	29.43	43.57	68.81
PMP	16.52	23.27	26.61	28.78	30.55	32.24	37.16	40.40	47.33	53.9	65.28	97.02	151.98
MEAN	2.656	3.544	4.044	4.394	4.762	5.061	5.752	6.269	7.343	8.261	9.989	14.579	27.642
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.174	1.919	2.496	2.176	2.043	1.802	1.464	.934	.391	.402	.431	.436	.199
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	4.107	7.696	15.731	12.692	11.462	9.847	7.052	4.772	2.790	2.579	2.521	2.614	2.141
N	76	76	76	76	76	76	76	76	76	76	76	76	76
RECORD YEAR	1963	1963	1963	1963	1963	1963	1930	1930	1930	1930	1956	1956	1941
RECORD MAXIMUM	4,630	8,530	11,930	11,930	12,300	12,300	14,510	14,510	14,510	14,770	18,740	20,620	44,490
NORMALIZED MAX	2,227	3,937	5,354	5,140	4,954	4,323	4,279	3,742	2,850	2,436	2,586	2,470	2,173
CALC. COEF. VAR	.334	.35	.364	.334	.320	.331	.356	.351	.342	.323	.349	.357	.311
REGN. COEF. VAR	.340	.371	.372	.370	.381	.398	.364	.368	.363	.365	.369	.377	.324
USED COEF. VAR	.340	.371	.372	.370	.381	.398	.364	.363	.365	.369	.377	.377	.324
MEAN/A	.0961	.1282	.1463	.1590	.1723	.1831	.2061	.2268	.2657	.2969	.3614	.5274	1.0000
RP10/A	.1469	.1919	.2192	.2376	.2556	.2709	.3095	.3368	.3938	.4474	.5391	.7725	1.4266
RP25/A	.1651	.2285	.2559	.2806	.3007	.3170	.3509	.3740	.4265	.4633	.5633	.8020	1.622
RP50/A	.1825	.2520	.2702	.3110	.3200	.3470	.3797	.4287	.4932	.5468	.6823	1.0606	1.7327
RP100/A	.2001	.2809	.3177	.3405	.3642	.3912	.4648	.5313	.6142	.7379	.10886	.18476	
RP1000/A	.2223	.3639	.4083	.4330	.4629	.4901	.5404	.5762	.6471	.7619	.9081	1.3247	2.1878
RP10000/A	.3028	.4440	.4952	.5227	.5569	.5735	.6420	.6796	.7524	.8990	1.0647	.15761	2.4894
PMP/A	.5976	.6817	.6925	1.0412	1.1051	1.1662	1.3442	1.4616	1.7121	1.9352	2.3618	3.5100	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT SWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 755 04 23N 06W N 39.883 122.533 52

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.38	3.04	3.33	3.57	3.85	4.14	4.86	5.34	6.43	7.29	8.99	12.72	23.45
5	3.20	4.18	4.57	4.87	5.23	5.59	6.57	7.19	8.61	9.84	12.13	17.26	30.31
10	3.73	4.94	5.39	5.72	6.11	6.51	7.64	8.32	9.89	11.40	14.01	19.98	34.20
20	4.21	5.66	6.15	6.50	6.93	7.35	8.61	9.35	11.02	12.80	15.69	22.41	37.56
25	4.37	5.89	6.37	6.71	7.19	7.61	8.92	9.66	11.37	13.23	16.21	23.15	38.57
50	4.44	6.35	6.86	7.08	7.11	7.40	9.52	10.50	12.16	14.11	17.25	25.36	41.53
100	5.27	7.23	7.81	8.18	8.71	9.16	10.66	11.49	13.33	15.74	19.18	27.43	46.28
200	5.70	7.89	8.49	8.86	9.43	9.89	11.49	12.34	14.26	16.92	20.56	29.45	46.87
1000	6.67	9.37	16.03	10.43	11.07	11.53	13.34	14.24	16.25	19.82	23.00	33.85	52.44
10000	8.01	11.43	12.17	12.50	13.31	13.78	16.80	18.89	23.04	27.67	39.73	59.67	
PHP	15.80	21.86	23.65	25.03	25.82	29.02	33.18	36.12	43.00	49.99	61.37	88.49	140.46

MEAN	2.540	3.302	3.595	3.821	4.118	4.398	5.136	5.604	6.671	7.659	9.391	13.296	23.970
CLOCK HR. COR.	1.140	1.870	1.040	1.020	1.010	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.524	.515	.405	.781	.931	.911	.431	.260	.375	.757	.1259	.1435	.1054
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.600	.600	.600	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.600	.600	.600	.700	.700	.700	.400

KURTOSIS	3.294	3.661	2.801	3.392	4.212	3.646	2.808	3.247	3.514	5.173	5.533	4.636	
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1958	1958	1949	1956	1956	1956	1958	1949	1958	1958	1958	1958	1958
RECORD MAXIMUM	3.270	4.920	5.180	6.290	7.240	7.930	8.450	8.690	11.410	14.090	18.350	27.470	47.670
NORMALIZED MAX	1.419	2.020	1.042	2.244	2.594	2.650	2.211	1.824	2.264	2.561	2.918	3.015	2.819
CALC. COEF. VAR	.202	.243	.289	.288	.292	.303	.292	.302	.314	.328	.327	.354	.351
REGN. COEF. VAR	.348	.371	.371	.370	.361	.356	.384	.363	.363	.369	.377	.324	
USED COEF. VAR	.348	.371	.372	.370	.361	.356	.384	.363	.363	.369	.377	.324	

MEAN/A	.1060	.1377	.1500	.1594	.1716	.1835	.2143	.2338	.2783	.3195	.3918	.5547	1.6000
RPI/A	.1584	.2062	.2249	.2385	.2580	.2715	.3187	.3472	.4125	.4754	.5834	.8334	1.4266
RPI25/A	.1824	.2420	.2628	.2916	.3277	.3577	.4061	.4424	.5352	.6561	.8761	.9692	
RPI50/A	.2013	.2740	.3045	.3119	.3211	.3505	.4091	.4520	.5166	.6366	.7397	.8580	1.2127
RPI100/A	.2196	.3018	.3257	.3415	.3622	.3920	.4449	.4792	.5567	.6567	.8000	.11452	.1674
RPI1000/A	.2783	.3910	.4186	.4351	.4677	.4811	.5585	.5940	.6780	.6145	.9886	.14121	2.1878
RPI10000/A	.3341	.4770	.5077	.5242	.5554	.5748	.6611	.7007	.7882	.9611	.1543	.16576	.24894
RPM/A	.6592	.9443	.9868	1.0441	1.1021	1.1669	1.3842	1.5059	1.7938	2.0690	2.5604	3.6715	5.8600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT SWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 114 63 31 09N 02E C N 38.388 121.795 57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.98	2.43	2.75	3.05	3.23	3.50	3.79	4.16	4.90	5.39	6.49	9.07	16.32
5	2.66	3.34	3.77	4.17	4.38	4.72	5.13	5.61	6.56	7.28	8.76	12.31	21.09
10	3.09	3.95	4.45	4.89	5.12	5.50	5.96	6.49	7.53	8.63	10.12	14.25	23.79
20	3.50	4.52	5.07	5.56	5.81	6.21	6.72	7.29	8.40	9.47	11.34	15.99	26.13
25	3.62	4.70	5.27	5.76	6.02	6.43	6.96	7.53	8.66	9.78	11.71	16.52	26.83
50	3.97	5.07	5.68	6.13	6.49	6.83	7.43	8.04	9.03	10.43	12.40	17.80	28.25
100	4.37	5.78	6.44	7.00	7.59	7.74	8.33	8.96	10.16	11.64	13.44	18.81	28.99
200	4.73	6.30	7.01	7.59	8.06	8.56	9.07	9.63	10.86	12.51	14.85	21.01	32.61
1000	5.54	7.49	8.28	8.92	9.27	9.74	10.41	11.11	12.38	14.46	17.05	24.18	36.46
10000	6.65	9.14	10.04	11.15	11.64	12.37	13.10	14.39	17.04	19.99	28.35	41.51	
PHP	13.11	17.32	19.52	21.40	22.13	23.67	26.17	28.17	32.67	44.34	63.14	97.71	

MEAN/A	2.108	2.639	2.966	3.267	3.649	3.716	4.069	4.370	5.081	5.664	6.785	9.487	16.675
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.816	.988	.968	.830	.857	.779	.811	.850	.768	.823	.948	.973	.840
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.600	.600	.600	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.600	.600	.600	.700	.700	.700	.400

KURTOSIS	3.120	3.970	3.658	3.206	3.217	3.171	3.282	3.837	3.194	3.428	3.905	3.830	4.213
N	66	67	68	68	67	67	69	69	69	69	69	69	70
RECORD YEAR	1958	1940	1940	1893	1943	1954	1955	1961	1911	1911	1941	1941	1941
RECORD MAXIMUM	3.700	5.620	5.750	6.270	7.050	7.650	8.530	9.700	11.780	12.950	16.350	23.090	36.710
NORMALIZED MAX	1.954	2.473	2.497	2.357	2.531	2.543	2.684	2.928	3.039	2.931	3.250	3.170	3.335
CALC. COEF. VAR	.348	.395	.392	.390	.392	.412	.418	.420	.431	.433	.439	.434	.390
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.362	.363	.363	.363	.369	.371	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.356	.364	.363	.363	.363	.369	.377	.324

MEAN/A	.1264	.1502	.1779	.1959	.2069	.2229	.2405	.2621	.3047	.3397	.4069	.5569	1.0000
RPI/A	.1855	.2369	.2931	.3070	.3298	.3576	.3893	.4517	.5054	.6070	.6707	.8545	1.4266
RPI25/A	.2173	.3196	.3196	.3026	.3026	.3499	.4257	.4711	.485	.5209	.5866	.7988	1.6092
RPI50/A	.2402	.3460	.3510	.3623	.3623	.4099	.4557	.5088	.5557	.6486	.7662	1.0252	1.3727
RPI100/A	.2623	.3460	.3863	.4196	.4374	.4640	.4993	.5257	.5693	.6861	.8081	.9746	.8747
RPI1000/A	.3321	.4492	.4965	.5347	.5359	.5844	.6245	.6659	.7423	.8059	.10225	.14484	.1878
RPI10000/A	.3906	.5480	.6022	.6442	.6687	.6982	.7419	.7653	.8631	.1.0217	.1.9067	.1.7002	.2.4894
RPM/A	.7868	1.0300	1.1703	1.2832	1.3270	1.4197	1.5533	1.6892	1.9641	2.1994	2.6591	3.7664	5.0000

## PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE M IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
400 6966 1 PLAINFIELD INNW ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
65 25 09N 01E 0 M 38.598 121.866 57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.96	2.42	2.88	3.05	3.32	3.53	3.65	4.15	4.79	5.19	6.20	8.99	15.94
5	2.83	3.32	3.95	4.17	4.50	4.77	5.21	5.59	6.41	7.91	8.37	12.21	20.60
10	3.66	4.19	4.65	4.89	5.26	5.55	6.05	6.47	7.26	8.12	9.67	14.13	23.24
20	3.46	4.50	5.30	5.56	5.97	6.27	6.82	7.27	8.21	9.12	10.83	15.85	25.53
25	3.59	4.68	5.51	5.76	6.19	6.50	7.05	7.51	8.46	9.43	11.18	16.38	26.21
40	3.65	5.05	5.93	5.87	6.30	6.75	7.55	8.01	8.98	10.05	11.91	17.45	27.59
50	3.97	5.22	6.13	6.39	6.85	7.17	7.77	8.24	9.22	10.34	12.24	17.94	26.22
100	4.33	5.75	6.73	7.00	7.50	7.81	8.45	8.93	9.94	11.22	13.32	19.45	30.09
200	4.48	6.77	7.73	8.05	8.12	8.42	9.04	9.62	10.32	11.19	13.35	19.81	31.85
400	5.48	7.45	8.65	8.92	9.53	9.84	10.57	11.08	12.10	13.91	16.29	23.94	35.64
1000	6.58	9.09	10.50	10.74	11.46	11.75	12.56	13.07	14.07	16.42	19.09	28.10	46.55
PMP	12.98	17.23	20.49	21.40	22.74	23.90	26.25	28.10	32.01	35.34	42.36	62.55	95.45
MEAN	2.087	2.624	3.100	3.267	3.545	3.752	4.070	4.360	4.967	5.450	6.481	9.404	16.289
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.105	2.187	1.773	1.693	1.841	1.973	1.662	1.710	1.420	1.481	1.309	1.157	1.571
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	3.687	8.756	6.599	6.137	7.166	6.966	7.717	6.888	6.289	5.231	5.635	4.416	5.011
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1966	1956	1963	1956	1963	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.550	6.200	6.710	7.250	8.360	8.780	9.880	10.250	10.740	11.080	13.340	18.420	33.520
NORMALIZED MAX	2.023	3.192	2.787	2.839	3.252	3.259	3.470	3.250	3.065	2.853	2.930	2.436	2.893
CALC. COEF. VAR	.346	.427	.418	.431	.418	.411	.412	.416	.379	.361	.394	.366	.366
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	1.182	1.611	1.193	2.006	2.176	2.303	2.498	2.676	3.050	3.355	3.979	5.774	1.0000
RP10/A	1.860	2.411	2.892	3.001	3.230	3.408	3.716	3.975	4.520	4.985	5.938	8.675	14.266
RP25/A	2.023	2.871	3.301	3.539	3.799	3.987	4.334	4.613	5.196	5.768	6.667	1.0054	16.092
RP50/A	2.433	3.204	3.763	3.924	4.207	4.390	4.770	5.09	5.661	6.351	7.513	1.1012	1.7327
RP100/A	2.658	3.530	4.133	4.296	4.601	4.795	5.188	5.485	6.095	6.686	8.125	1.1012	1.8478
RP1000/A	3.366	4.572	5.313	5.574	5.848	6.039	6.489	6.860	7.628	8.854	9.999	1.4690	2.1878
RP10000/A	4.040	5.579	6.444	6.695	7.036	7.215	7.708	8.021	8.637	1.0000	1.1723	12.253	24.094
PMP/A	7.971	10.575	12.924	13.377	13.962	14.671	1.6140	1.7250	1.7654	2.1955	2.6003	3.6423	5.6600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
400 7292 0 RED BLUFF AIRPORT ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
341 27N 03W M 40.150 122.250 52

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.40	2.85	3.00	3.22	3.45	4.03	4.47	5.27	6.09	7.69	10.90	20.86
5	2.80	3.09	3.91	4.10	4.47	4.66	5.20	5.77	7.05	8.22	11.40	14.80	24.46
10	3.15	4.22	4.80	4.81	5.12	5.43	6.33	6.97	8.10	9.52	11.98	17.13	30.42
20	3.79	4.83	5.25	5.47	5.80	6.13	7.13	7.83	9.03	10.69	13.42	19.22	33.42
25	3.93	5.02	5.45	5.67	6.02	6.35	7.38	8.09	9.31	11.05	13.82	21.45	34.32
40	3.95	5.42	5.87	5.77	6.12	6.79	7.89	8.63	9.68	11.72	14.75	21.15	36.12
50	4.34	5.60	6.07	6.29	6.66	7.00	8.12	8.88	10.15	12.12	15.16	21.75	36.95
100	4.74	6.17	6.67	6.88	7.29	7.63	8.84	10.62	12.93	13.15	16.00	23.54	39.39
200	5.18	6.87	7.59	7.94	8.52	9.52	10.62	11.80	13.13	13.53	17.58	25.20	41.70
1000	6.00	8.00	8.57	8.77	9.61	11.15	12.63	13.31	16.30	20.18	26.02	44.65	
10000	7.20	9.76	10.39	10.57	11.14	11.48	13.13	14.07	15.48	19.24	23.66	34.07	53.08
PMP	14.21	18.49	20.20	21.05	22.11	23.35	27.49	30.26	35.22	41.41	52.48	75.87	124.96
MEAN	2.285	2.617	3.070	3.214	3.447	3.666	4.255	4.695	5.465	6.396	8.030	11.401	21.324
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.140	1.913	1.203	3.11	3.63	-0.107	5.18	1.38	-0.131	-0.131	-0.259	.658	.771
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.108	4.274	2.283	2.096	2.859	2.146	3.050	2.215	2.510	2.551	2.491	3.593	3.013
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1961	1955	1955	1955	1955	1955	1955	1955	1955	1961	1958	1958	1958
RECORD MAXIMUM	3.370	4.250	2.800	4.570	4.990	4.990	6.770	6.790	7.630	8.920	12.000	18.540	35.260
NORMALIZED MAX	1.772	2.063	1.554	2.080	2.146	1.753	2.308	1.803	1.817	1.676	1.842	2.358	2.610
CALC. COEF. VAR	.268	.240	.254	.263	.209	.206	.256	.247	.218	.235	.268	.266	.266
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.365	.365	.369	.377	.324
MEAN/A	1.072	1.321	1.440	1.507	1.1616	1.1719	1.1996	1.2202	1.2563	1.2999	1.3766	1.5347	1.0000
RP10/A	1.152	1.977	2.158	2.255	2.399	2.544	2.968	3.270	3.799	4.4663	5.618	8.033	1.4266
RP25/A	1.182	2.354	2.556	2.682	2.977	3.462	3.462	3.795	4.367	5.182	6.489	9.310	1.6092
RP50/A	2.035	7628	2.847	2.949	3.125	3.284	3.810	4.162	4.758	5.565	7.110	1.0198	1.7327
RP100/A	2.223	2.095	3.127	3.228	3.417	3.560	4.144	4.512	5.126	6.165	7.663	1.0198	1.8474
RP1000/A	2.614	3.040	3.409	4.511	4.856	5.028	5.92	6.303	7.171	8.063	9.653	12.170	
RP10000/A	3.178	4.575	4.874	5.296	5.225	5.617	6.598	7.259	8.022	1.1094	1.4977	2.4894	
PMP/A	6.665	8.672	9.474	9.972	1.0369	1.0952	1.2891	1.4190	1.6518	1.9422	2.4609	3.5581	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RWD LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 400 REDDING FS 2 119 577 35 32N 05W H 40°58'3" 122°40'0" 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.23	4.32	5.03	5.50	5.94	6.40	7.28	8.12	9.56	10.67	12.97	19.18	34.19
5	4.34	5.94	6.90	7.51	8.06	8.64	9.84	10.94	12.79	14.40	17.50	26.03	49.35
10	5.06	7.01	8.12	8.81	9.82	10.65	11.44	12.67	14.70	16.68	20.21	30.13	55.68
20	5.72	8.03	9.27	10.62	10.69	11.36	12.89	14.22	16.38	18.74	22.64	33.81	51.16
25	5.93	8.35	9.63	10.39	11.08	11.76	13.40	14.64	16.00	17.93	23.85	37.95	62.81
40	6.03	9.01	10.37	11.37	12.26	13.96	15.67	17.23	19.86	21.89	27.33	41.65	66.11
50	6.55	9.92	10.72	11.32	12.27	13.96	14.68	16.12	18.01	21.23	25.58	36.25	67.62
100	7.15	10.27	11.77	12.62	13.42	14.15	15.97	17.48	19.83	23.04	27.67	41.40	72.10
200	7.74	11.20	12.80	13.68	14.54	15.29	17.21	18.78	21.19	24.77	29.66	44.42	76.32
1000	9.05	13.31	15.13	16.07	17.06	17.81	19.97	21.67	24.15	28.58	34.05	51.06	85.39
10000	10.87	16.23	18.35	19.37	20.52	21.28	23.73	25.56	28.08	33.73	39.92	59.93	97.16
PMP	21.44	30.76	35.67	38.58	40.72	43.28	49.68	54.76	63.70	72.60	88.54	133.47	228.71

MEAN	3.468	4.669	5.421	5.890	6.347	6.794	7.601	8.528	9.914	11.213	13.549	20.053	34.029
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.496	1.001	1.042	.977	.820	.864	.949	.850	.965	1.129	.713	.724	.365
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.700	.700	.700	.400

KURTOSIS	7.633	4.528	4.595	4.310	3.813	4.066	3.419	4.393	4.745	5.566	3.323	3.508	2.406
N	75	75	74	76	76	76	76	76	76	76	76	76	77
RECORD YEAR	1965	1965	1965	1965	1965	1970	1965	1970	1970	1970	1970	1970	1961
RECORD MAXIMUM	7.300	9.460	11.120	11.820	12.270	13.500	14.190	18.180	24.060	28.840	28.640	43.930	68.430
NORMALIZED MAX	3.581	3.260	3.395	3.221	3.034	3.130	2.769	3.417	3.828	4.106	3.095	2.510	
CALC. COEF. VAR	.312	.312	.310	.313	.306	.315	.305	.331	.373	.385	.375	.359	.300
REDN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.0883	.1200	.1389	.1509	.1626	.1741	.1971	.2185	.2540	.2873	.3472	.5139	1.0000
RP10/A	.1296	.1797	.2051	.2258	.2414	.2576	.2931	.3245	.3765	.4274	.5177	.7772	1.4266
RP20/A	.1318	.2139	.2461	.2652	.2838	.3151	.3376	.3706	.4202	.4730	.5901	.8088	1.4932
RP50/A	.1428	.2348	.2646	.2952	.3204	.3525	.3746	.4131	.4716	.5345	.6981	.9861	1.7327
RP100/A	.1832	.2621	.3016	.3223	.3416	.3624	.4092	.4478	.5081	.5904	.7889	1.0668	1.6474
RP1000/A	.2320	.3408	.3877	.4119	.4370	.4563	.5116	.5552	.6168	.7324	.8724	1.3082	2.1078
RP10000/A	.2765	.4158	.4702	.4963	.5259	.5493	.6048	.6549	.7194	.8642	1.0228	1.5355	2.4694
RPMP/A	.5495	.7861	.9139	.9685	1.0433	1.1083	1.2730	1.4063	1.6372	1.8602	2.2667	3.4197	5.6600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RWD LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 400 7517 0 ROCKLIN 123 239 19 11N 07E C M 38.793 121.241 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.06	2.70	3.26	3.64	4.02	4.32	4.86	5.36	6.35	7.05	8.40	11.84	22.22
5	2.77	3.83	4.47	4.97	5.65	5.83	7.22	8.50	9.51	11.33	16.07	26.72	
10	3.22	4.52	5.27	5.83	6.38	6.79	7.64	8.36	9.76	11.01	13.08	18.61	32.40
20	3.65	5.18	6.01	6.63	7.24	7.67	8.61	9.81	10.88	12.37	16.48	26.88	35.39
25	3.71	5.19	6.02	6.64	7.51	7.94	8.91	9.70	11.22	12.79	15.14	21.57	36.35
30	3.84	5.21	6.02	6.70	7.50	8.02	9.02	10.34	11.81	13.46	17.22	22.47	38.37
40	4.18	6.01	6.99	7.62	8.32	8.96	9.81	10.64	12.23	14.03	16.56	23.22	39.35
50	4.56	6.62	7.63	8.35	9.09	9.35	10.21	11.54	13.18	15.21	17.91	25.57	41.89
100	4.95	7.22	8.30	9.05	9.85	10.32	11.50	12.40	14.08	16.35	19.20	27.43	44.41
1000	5.77	8.86	9.81	10.64	11.59	12.03	13.24	14.30	16.05	18.87	22.04	31.93	49.69
10000	6.93	10.46	11.99	12.82	13.91	14.37	15.85	16.87	18.66	22.27	25.84	37.01	56.53
PMP	13.67	19.84	23.12	25.93	27.39	29.22	33.18	36.28	42.46	47.93	57.32	62.42	133.08

MEAN	2.198	3.022	3.914	3.897	4.301	4.387	5.137	5.629	6.388	7.402	8.771	12.383	22.710
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.295	1.434	1.780	1.327	.007	.858	.731	.490	.160	1.167	1.013	.963	.369
REGIONAL SKEW	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.600	.700	.700	.400

KURTOSIS	6.093	7.264	8.842	8.994	8.157	3.583	3.204	2.714	2.943	6.117	5.094	4.453	2.173
N	72	72	72	72	72	72	72	72	72	72	72	72	72
RECORD YEAR	1963	1963	1963	1963	1963	1963	1966	1906	1911	1911	1911	1911	1907
RECORD MAXIMUM	4.080	7.100	9.100	9.500	9.300	9.500	10.640	10.710	13.350	18.850	21.220	29.330	30.630
NORMALIZED MAX	2.670	3.967	4.396	3.924	3.452	3.010	2.913	2.924	4.191	3.659	3.603	3.603	2.294
CALC. COEF. VAR	.298	.340	.361	.366	.399	.355	.368	.361	.351	.366	.369	.369	.311
REDN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.355	.358	.369	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.355	.358	.369	.369	.377	.324

MEAN/A	.0966	.1330	.1347	.1716	.1094	.2020	.2262	.2478	.2901	.3259	.3862	.5454	1.0000
RP10/A	.1419	.1991	.2319	.2567	.2811	.2969	.3364	.3681	.4300	.4849	.5762	.8194	1.4268
RP20/A	.1621	.2371	.2671	.3039	.3262	.3347	.3724	.4242	.4942	.5745	.6467	.8477	1.4292
RP50/A	.1838	.2647	.2947	.3261	.3488	.3628	.4126	.4689	.5376	.6178	.7192	1.0202	1.7327
RP100/A	.2007	.2919	.3360	.3676	.4003	.4209	.4697	.5079	.5902	.6699	.7886	1.1259	1.8674
RP1000/A	.2542	.3777	.4319	.4663	.5094	.5296	.5975	.6297	.7066	.8039	.9715	1.3084	2.1078
RP10000/A	.3051	.4606	.5239	.5643	.6123	.6327	.6979	.7428	.8215	.9064	1.1378	1.6297	2.4694
RPMP/A	.6020	.8735	1.0182	1.1240	1.2150	1.2668	1.4612	1.5974	1.8695	2.1105	2.5239	3.6294	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 400 7633 0		STATION NAME SACRAMENTO CITY NWS		ELEV	SEC	TMP	RNO	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	
				25	01	08N	04E	C	M	38°58'	121°49'	34	
RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.98	2.57	2.90	3.17	3.41	3.68	4.06	4.46	5.17	5.73	6.86	9.74	17.74
5	2.66	3.54	3.98	4.34	4.62	4.96	5.49	6.00	6.92	7.73	9.25	13.22	22.92
10	3.10	4.18	4.69	5.09	5.40	5.76	6.38	6.95	7.95	8.96	10.69	15.31	25.86
20	3.51	4.79	5.35	5.87	6.41	6.57	7.00	7.50	8.87	10.06	11.36	17.17	28.41
25	3.64	4.98	5.86	6.00	6.47	6.76	7.45	8.07	9.41	10.60	12.36	17.81	29.17
40	3.70	5.37	5.99	6.11	6.47	7.24	7.96	8.60	9.70	11.09	13.16	18.80	34.71
50	4.02	5.35	5.19	6.65	7.00	7.46	8.19	8.85	9.98	11.41	13.53	19.43	31.41
100	4.39	6.12	6.86	7.28	7.70	8.13	8.91	9.59	10.73	12.37	14.63	21.03	33.49
200	4.75	6.67	7.39	7.90	8.36	8.78	9.61	10.31	11.47	13.30	15.68	22.57	35.45
1000	5.55	7.92	8.74	9.28	9.79	10.24	11.15	11.89	13.07	15.35	18.00	25.94	39.66
10000	6.67	9.67	10.60	11.18	11.71	12.23	13.24	14.03	15.20	18.11	21.11	30.45	45.13
PMP	13.15	18.33	20.66	22.27	23.36	24.88	27.73	30.16	34.58	38.98	46.82	67.01	106.23

MEAN	2.115	2.792	3.130	3.401	3.642	3.905	4.292	4.680	5.366	6.020	7.164	10.189	18.127
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.300	1.831	1.477	1.150	.931	.819	.964	.959	.774	.908	1.109	.818	.601
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	6.508	9.676	7.283	8.876	4.595	3.861	4.719	4.372	3.435	3.958	4.891	3.434	3.146
N	105	105	105	105	105	105	105	105	105	105	105	105	105
RECORD YEAR	1880	1880	1880	1880	1880	1880	1880	1880	1882	1882	1882	1882	1882
RECORD MAXIMUM	5.40	6.70	8.00	9.10	9.00	9.00	11.00	12.07	14.00	19.00	24.730	35.50	
NORMALIZED MAX	3.80	4.73	4.45	4.83	4.83	3.491	3.500	3.554	3.679	3.747	4.058	4.222	
CALC. COEF. VAR	.396	.421	.407	.398	.382	.366	.396	.405	.407	.419	.420	.415	
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	
USED COEF. VAR	.346	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	

MEAN/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	1.0000
RP10/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP25/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP50/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP100/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP1000/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP10000/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP50000/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	
RP100000/A	.1167	.1540	.1727	.1876	.2000	.2154	.2386	.2882	.2960	.3291	.3952	.5421	

STATION NO. BSN ORDER SUB 400 9200 0		STATION NAME VACAVILLE		ELEV	SEC	TMP	RNO	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
				104	14	06N	01E	M	M	38°30'	121°49'	48
<b>MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS</b>												
10	20	30	40	50	60	80	100	150	200	300	600	3650

2	2.08	3.58	4.08	4.47	4.88	5.14	5.82	6.42	7.50	8.13	9.51	13.73	24.04
5	3.08	4.92	5.60	6.11	6.62	6.95	7.88	8.65	10.04	10.98	12.83	16.63	31.07
10	4.53	5.85	6.66	7.14	7.74	8.09	9.15	10.11	11.53	12.71	14.62	18.00	35.05
20	6.11	7.66	8.44	8.84	9.79	10.44	11.74	13.22	14.25	14.25	16.00	21.19	38.51
25	6.39	6.92	7.82	8.44	9.11	9.44	10.67	11.62	12.25	13.25	14.16	17.15	31.94
40	5.38	7.47	8.42	8.59	9.27	10.13	11.41	12.38	14.07	15.74	18.29	26.62	41.63
50	5.85	7.73	8.70	9.36	10.09	10.44	11.75	12.74	14.44	16.20	18.76	27.36	42.58
100	6.38	8.51	9.56	10.25	11.03	11.38	12.78	13.81	15.58	17.56	20.29	29.63	45.39
200	6.91	9.28	10.39	11.12	11.95	12.29	13.77	14.84	16.62	18.88	21.75	31.79	48.05
1000	8.08	11.03	12.28	13.05	14.02	14.33	15.98	17.12	18.95	21.76	24.97	36.54	53.76
10000	8.70	12.48	14.90	15.87	17.12	18.98	20.20	22.03	25.71	29.27	32.41	61.17	
PMP	19.14	28.80	31.35	33.08	34.81	37.73	43.43	50.14	55.33	68.94	98.52	143.99	

MEAN/A	3.077	3.884	4.401	4.786	5.219	5.465	6.153	6.739	7.779	8.546	9.937	14.353	24.572
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.081	1.276	.877	.861	1.179	1.105	.710	.655	.437	.372	.420	.723	.416
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.672	5.341	3.705	3.474	5.129	5.127	3.815	3.446	2.661	2.215	2.485	3.203	2.875
N	76	76	76	76	76	76	76	76	76	76	76	76	75
RECORD YEAR	1940	1963	1963	1968	1956	1956	1956	1956	1956	1956	1956	1956	1941
RECORD MAXIMUM	6.100	9.000	9.670	9.000	13.000	14.000	14.630	15.300	15.300	16.000	18.820	32.100	48.660
NORMALIZED MAX	2.862	3.114	3.000	2.719	3.709	3.650	3.461	3.395	3.198	2.516	2.320	2.641	2.923
CALC. COEF. VAR	.431	.404	.394	.399	.411	.407	.395	.398	.412	.414	.409	.422	.338
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1232	.1581	.1791	.1948	.2124	.2224	.2504	.2743	.3165	.3476	.4044	.5641	.1.0000
RP10/A	.1837	.2366											

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 400 9528 0 WERNER RANCH 1190 21 12N 08E D M 38.883 121.100 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.73	3.72	4.38	4.82	5.34	5.76	6.31	6.94	8.35	9.05	10.88	16.23	31.12
5	3.67	5.04	6.01	6.59	7.48	7.65	8.53	9.83	11.16	12.22	14.96	22.28	42.21
10	4.28	6.04	7.06	7.73	8.48	9.06	10.23	11.17	12.16	14.32	15.90	20.61	49.86
20	4.84	6.92	8.08	8.79	9.62	10.23	11.17	12.16	14.32	15.90	19.00	26.61	51.18
25	5.01	7.20	8.39	9.11	9.97	10.59	11.56	12.57	14.77	16.43	19.62	29.55	51.18
40	5.18	7.77	9.03	9.28	10.14	11.34	12.37	13.40	15.67	17.52	20.88	31.48	53.87
50	5.55	8.03	9.33	10.11	11.04	11.69	12.72	13.79	15.69	18.03	21.46	32.37	55.10
100	6.05	8.85	10.25	11.07	12.08	12.74	13.84	14.95	17.34	19.55	23.21	35.03	58.75
200	6.55	9.65	11.15	12.00	13.00	13.84	14.91	16.08	18.53	21.01	24.49	37.59	62.19
1000	7.65	11.16	12.88	13.19	15.35	17.11	18.53	21.11	22.55	24.57	34.00	48.98	79.17
10000	9.20	13.99	15.98	16.99	18.46	19.17	20.56	21.86	24.55	28.61	33.49	50.71	79.17
PHP/A	18.14	26.51	31.07	33.84	36.64	38.98	43.05	47.00	55.86	61.59	74.29	112.94	186.36

MEAN	2.917	4.038	4.721	5.166	5.712	6.119	6.664	7.293	8.667	9.511	11.368	16.970	31.803
CLOCK HR:	1.140	1.800	1.040	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.120	2.294	2.795	1.932	1.700	1.138	.873	.644	.171	.191	.774	.759	.144
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	6.682	10.676	9.858	7.984	5.955	4.205	3.319	2.639	1.950	2.026	3.346	3.158	1.824
N	3	3	3	3	3	3	3	3	3	3	3	3	3
RECORD YEAR	1930	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	5.350	9.250	11.920	13.120	13.120	13.120	13.120	13.120	13.120	13.120	15.860	15.280	22.030
NORMALIZED MAX	2.730	3.650	3.755	3.584	3.366	2.897	2.556	2.152	1.735	1.821	2.727	2.689	4.3980
CALC. COEF. VAR	.306	.354	.406	.430	.392	.395	.379	.371	.333	.333	.344	.311	.254
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	.0917	.1270	.1485	.1624	.1796	.1924	.2096	.2293	.2725	.2991	.3574	.5336	1.0000
RP10/A	.1345	.1901	.2225	.2430	.2665	.2847	.3117	.3406	.4040	.4450	.5333	.8017	1.4266
RP25/A	.1577	.2263	.2637	.2866	.3135	.3331	.3635	.3952	.4644	.5167	.6168	.9292	1.6092
RP50/A	.1742	.2526	.2935	.3178	.3472	.3675	.4001	.4335	.5059	.5669	.6749	1.0178	1.7327
RP100/A	.1902	.2783	.3224	.3486	.3797	.4006	.4351	.4700	.5451	.6147	.7299	1.1016	1.8474
RP1000/A	.2409	.3604	.4144	.4433	.4826	.5045	.5443	.5826	.6526	.7242	.8082	1.3588	2.1878
RP10000/A	.2991	.4499	.5026	.5342	.5766	.6106	.6576	.7073	.7719	.8456	1.2163	1.5145	2.4994
PHP/A	.5765	.8336	.9160	1.0640	1.1522	1.2256	1.3557	1.4780	1.7565	1.9365	2.3359	3.5511	5.8600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 400 9605 0 WHEATLAND 2NE 105 35 14N 05E D M 39.028 121+390 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.88	2.50	2.84	3.10	3.35	3.62	4.01	4.45	5.15	5.70	7.13	10.02	19.06
5	2.45	3.24	3.90	4.45	4.94	4.89	5.23	6.00	6.90	7.69	10.61	13.60	24.63
10	2.93	4.06	5.09	4.98	5.31	5.59	5.99	6.31	6.95	7.92	8.80	11.10	27.19
20	3.32	4.65	5.24	5.66	6.03	6.43	7.11	7.86	8.83	10.00	12.44	17.66	35.53
25	3.44	4.84	5.44	5.87	6.25	6.66	7.36	8.06	9.10	10.34	12.84	16.24	31.35
40	3.50	5.22	5.86	5.97	6.36	6.73	7.13	7.86	8.60	9.66	11.02	13.67	31.93
50	3.80	5.40	6.05	6.51	6.92	7.34	8.10	8.84	9.92	11.34	14.05	19.98	33.75
100	4.15	5.95	6.65	7.12	7.57	8.01	8.81	9.59	10.69	12.30	15.20	21.63	35.99
200	4.64	6.29	7.03	7.63	8.20	8.85	9.49	10.20	11.42	13.22	16.20	23.20	38.09
1000	5.25	7.70	8.55	9.08	9.82	10.51	11.07	11.89	13.01	15.25	18.70	26.67	42.62
10000	6.31	9.40	10.37	10.94	11.57	12.04	12.99	14.02	15.13	16.00	21.93	31.30	48.50
PHP/A	12.44	17.82	21.20	21.78	22.96	24.49	27.40	30.15	34.43	38.74	48.64	69.71	114.16

MEAN	2.001	2.714	3.062	3.326	3.579	3.845	4.242	4.678	5.342	5.984	7.443	10.475	19.481
CLOCK HR:	1.140	1.070	1.140	1.000	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.555	3.164	3.061	2.652	1.880	1.885	1.236	1.000	0.994	0.994	1.292	1.292	.633
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	10.880	14.919	14.286	12.108	9.785	7.341	5.837	4.203	2.945	2.413	2.846	4.001	2.080
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1930	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	4.560	8.020	9.220	9.360	9.380	9.380	9.380	9.380	9.380	9.380	9.380	12.680	18.080
NORMALIZED MAX	2.892	3.572	3.685	3.626	3.465	3.191	3.034	2.643	2.159	1.994	2.118	2.311	1.932
CALC. COEF. VAR	.442	.547	.546	.502	.468	.451	.399	.380	.350	.327	.332	.314	.282
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	.1027	.1393	.1572	.1707	.1837	.1974	.2177	.2742	.3672	.3821	.5377	1.0000	
RP10/A	.1566	.2086	.2355	.2554	.2727	.2921	.3239	.3566	.4065	.4570	.5700	.8079	1.4266
RP25/A	.1765	.2483	.2792	.3012	.3207	.3417	.3777	.4139	.4672	.5303	.6593	.9364	1.6092
RP50/A	.1951	.2772	.3107	.3340	.3552	.3770	.4157	.4540	.5091	.5822	.7214	1.0256	1.7327
RP100/A	.2130	.3653	.3913	.3657	.3884	.4109	.4521	.4922	.5485	.6313	.7826	1.1101	1.8474
RP1000/A	.2327	.4825	.5321	.5621	.5939	.6183	.6718	.7177	.7677	.8239	1.1256	1.6669	2.4894
RP10000/A	.2388	.6017	.6342	.1.1182	1.1786	1.2572	1.4066	1.5477	1.7674	1.9088	2.4969	3.5768	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB WHEATLAND CALPAK 150 77 08 13N 05E L M 36.990 121+442 51

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.28	3.01	3.41	3.74	3.97	4.41	4.79	5.15	5.83	6.31	7.62	10.93	19.86
5	3.67	4.14	4.69	5.11	5.39	5.96	6.48	6.94	7.80	8.52	10.28	14.84	25.67
10	3.87	4.89	5.52	6.00	6.30	6.94	7.53	8.04	8.96	9.86	11.88	17.18	28.96
20	4.04	5.60	6.30	6.82	7.15	7.84	8.49	9.02	9.95	11.05	13.30	19.27	31.82
25	4.18	5.82	6.54	7.07	7.41	8.12	8.79	9.32	10.30	11.45	13.74	19.91	32.67
40	4.25	6.28	7.04	7.20	7.54	8.89	9.39	9.94	10.94	12.21	14.62	21.21	34.39
50	4.62	6.55	7.28	7.84	8.21	8.95	9.57	10.23	11.23	12.51	14.30	21.37	37.18
100	5.05	7.16	8.08	8.58	8.86	9.76	10.52	11.52	12.50	13.63	15.26	23.60	37.50
200	5.46	7.81	8.70	9.31	9.73	10.54	11.34	11.92	12.92	14.65	17.43	25.32	39.70
1000	6.39	9.27	10.28	10.94	11.41	12.29	13.16	13.75	14.73	16.90	20.01	29.11	44.42
10000	7.67	11.32	12.47	13.18	13.73	14.69	15.63	16.21	17.13	19.94	23.46	34.16	50.54
PHP	15.14	21.45	24.23	26.25	27.24	29.86	32.72	34.87	38.98	42.93	52.03	76.08	118.96
MEAN	2.434	3.267	3.682	4.007	4.246	4.688	5.066	5.410	6.048	6.630	7.962	11.433	20.301
CLOCK HR. COR.	1.140	1.070	1.084	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.396	2.249	2.554	2.920	2.077	1.628	1.483	1.305	1.025	.882	1.584	1.470	.935
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.134	9.388	11.782	10.163	8.399	6.393	5.573	4.988	3.683	3.471	6.976	5.702	3.138
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1963	1963	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	4.546	8.510	10.500	10.630	10.630	10.630	10.860	11.090	11.670	12.000	16.680	23.080	32.560
NORMALIZED MAX	2.324	3.248	3.676	3.612	3.390	2.988	2.742	2.702	2.601	2.539	3.380	3.060	2.207
CALC. COEF. VAR	.392	.494	.504	.458	.444	.425	.417	.389	.357	.319	.324	.332	.274
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
MEAN/A	+1199	+1609	+1814	+1974	+2092	+2309	+2495	+2665	+2979	+3266	+3922	+5532	1.0000
RP10/A	+1758	+2499	+278	+2953	+3164	+347	+3711	+3958	+4416	+4859	+5851	+8482	+14266
RP25/A	+2061	+2868	+3222	+3483	+3651	+3998	+4329	+4593	+5076	+5642	+6786	+10300	+16492
RP50/A	+2277	+3202	+3586	+3862	+4043	+4411	+4801	+5203	+5638	+6170	+7404	+1.0741	+1.4727
RP100/A	+2487	+3527	+4022	+4228	+4422	+4722	+5022	+5442	+5908	+6471	+7608	+10125	+1.8474
RP1000/A	+449	+603	+5602	+5157	+5620	+6055	+6481	+6771	+7257	+8325	+9855	+1.4337	+2.1878
RP10000/A	+3779	+5574	+6140	+6491	+6762	+7234	+7699	+8437	+9823	+1.1554	+1.6829	+2.4894	
PHP/A	+7457	1.0568	1.1934	1.2930	1.3418	1.4710	1.6120	1.7176	1.9200	2.1164	2.5628	3.7478	5.8600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB WILLOWS 155 140 09 19N 03W M 39.533 122+200 11

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.01	2.52	2.79	2.93	3.18	3.36	3.77	4.08	4.76	5.13	6.31	8.98	16.59
5	2.69	3.47	3.82	4.00	4.30	4.54	5.10	5.50	6.37	6.93	8.51	12.18	21.45
10	3.14	4.10	4.50	4.70	5.02	5.29	5.93	6.36	7.32	8.02	9.83	14.10	24.19
20	3.55	4.69	5.14	5.34	5.70	5.98	6.68	7.14	8.16	9.01	11.01	15.82	26.58
25	3.68	4.88	5.34	5.54	5.91	6.19	6.91	7.38	8.42	9.32	11.37	16.25	27.29
40	3.74	5.26	5.75	5.63	6.01	6.62	7.39	7.87	8.93	9.94	12.10	17.41	26.73
50	4.08	5.44	5.94	6.14	6.54	6.83	7.61	8.16	9.17	10.28	12.49	17.74	26.99
100	4.40	6.00	6.52	6.72	7.16	7.68	8.27	8.89	9.88	11.08	13.45	19.38	31.33
200	4.80	6.56	7.09	7.29	7.75	8.04	8.92	9.43	10.55	11.91	14.42	20.79	33.16
1000	5.62	7.77	8.38	8.56	9.09	9.37	10.35	10.88	12.03	13.75	16.55	23.90	37.10
10000	6.74	9.48	10.17	10.32	10.94	11.20	12.29	12.84	13.99	16.22	19.41	28.05	42.22
PHP	13.30	17.97	19.76	20.58	21.71	22.77	25.74	27.80	31.83	34.92	43.05	62.47	99.38
MEAN	2.139	2.737	3.003	3.138	3.384	3.574	3.984	4.293	4.939	5.394	6.588	9.387	16.980
CLOCK HR. COR.	1.140	1.070	1.045	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.714	1.812	1.469	1.591	1.323	1.323	1.277	1.277	1.184	1.277	.808	.939	1.027
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.104	4.406	3.499	3.734	3.417	3.176	3.490	3.423	2.715	2.733	4.020	4.799	5.225
N	73	73	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1925	1934	1934	1934	1934	1934	1926	1941	1941	1941	1941	1941	1941
RECORD MAXIMUM	3.890	5.460	5.610	6.250	6.270	6.270	7.770	8.170	9.150	10.010	14.810	23.370	40.400
NORMALIZED MAX	2.224	2.864	2.699	3.097	2.694	2.419	2.831	2.747	2.550	2.438	3.132	3.753	3.806
CALC. COEF. VAR	.349	.348	.322	.320	.316	.312	.336	.330	.334	.351	.398	.397	.363
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.368	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.368	.377	.324
MEAN/A	+1261	+1614	+1771	+1850	+1996	+2108	+2349	+2525	+2912	+3180	+3884	+5535	i.0000
RP10/A	+1850	+2415	+2654	+2768	+2962	+3119	+3494	+3759	+4317	+4732	+5795	1.8137	+1.4266
RP25/A	+2168	+2876	+3146	+3285	+3484	+3649	+4075	+4352	+4962	+5454	+6705	3.9635	+1.9892
RP50/A	+2396	+3210	+3501	+3620	+4024	+4485	+4845	+5145	+5745	+6295	+7744	1.0367	+1.7337
RP100/A	+2616	+3436	+3712	+4049	+4459	+4848	+5176	+5525	+5925	+6526	+7931	1.4247	+1.8474
RP1000/A	+3976	+5588	+5995	+6095	+6551	+6602	+7248	+7568	+8248	+9566	1.1444	1.8540	+2.4894
PHP/A	.7845	1.0593	1.1652	1.2120	1.2802	1.3425	1.5175	1.6275	1.8769	2.0593	2.5384	3.6836	5.8600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
A00 9742 12	WINTERS 3NE	156	116	13	08N	01W	F	38°54'	121°9'25"	57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	100D	200D	300D	600D	365D	
2	2.37	3.01	3.37	3.59	3.67	4.19	4.58	4.92	5.66	6.27	7.19	10.24	17.00					
5	3.18	4.14	4.62	4.90	5.25	5.65	6.20	6.63	7.50	8.46	9.70	13.90	23.11					
10	3.42	4.42	5.04	5.75	6.21	6.58	7.20	7.81	8.74	9.80	11.30	16.00	26.97					
20	4.10	5.60	6.21	6.54	6.97	7.48	8.02	8.62	9.71	11.01	11.39	12.90	18.05	29.64				
25	4.34	5.92	6.45	6.78	7.22	7.70	8.40	8.91	10.01	11.39	12.13	13.90	19.87	30.96				
40	4.41	6.24	6.95	6.90	7.35	8.24	8.90	9.50	10.63	11.00	12.13	13.90	19.87	30.96				
50	4.79	6.84	7.10	7.52	8.00	8.49	9.25	9.77	10.91	12.46	14.18	20.43	31.66					
100	5.23	7.14	7.89	8.23	8.75	9.26	10.05	10.60	11.75	13.53	15.34	22.11	33.76					
200	5.66	7.81	8.59	8.93	9.48	10.00	10.64	11.39	12.55	14.55	16.44	23.72	35.73					
500	6.20	9.24	10.40	10.49	11.12	11.86	12.43	13.14	14.31	15.97	17.27	21.98						
1000	7.08	11.22	12.30	12.64	13.47	13.73	14.96	15.50	16.64	19.81	21.33	32.01	43.9					
PMP	15.69	21.45	23.90	25.17	26.54	26.82	31.29	33.32	37.87	42.64	46.08	71.26	107.00					
MEAN	2,523	3,267	3,633	3,843	4,137	4,446	4,843	5,170	5,876	6,586	7,510	10,710	18,273					
CLOCK HR. COR.	1,140	1,670	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		
CALCULATED SKEW	1,256	1,749	1,539	1,500	1,742	1,441	1,380	1,307	1,015	.684	.816	.775	1,042					
REGIONAL SKEW	1,100	1,300	1,200	1,100	1,100	1,000	1,000	.900	.800	.800	.700	.700	.400					
SKEW USED	1,100	1,300	1,200	1,100	1,100	1,000	.900	.800	.800	.700	.700	.700	.400					
KURTOSIS	4,873	6,866	5,556	5,287	6,110	5,719	5,535	3,784	3,106	3,983	3,429	3,910						
N	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
RECORD YEAR	1940	1958	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	
RECORD MAXIMUM	5,100	8,100	6,000	11,000	11,000	11,000	12,400	12,400	13,000	13,000	16,000	23,000	37,000					
NORMALIZED MAX	2,819	3,297	2,925	3,152	3,646	3,934	4,248	4,248	4,509	4,509	5,760	8,117	17,327					
CALC. COEF. VAR	2,458	2,493	2,443	2,470	2,461	2,451	2,459	2,459	2,466	2,466	2,495	2,495	2,495					
REGN. COEF. VAR	.348	.371	.372	.370	.361	.356	.364	.364	.365	.365	.365	.365	.365					
USED COEF. VAR	.348	.371	.372	.370	.361	.356	.364	.364	.365	.365	.365	.365	.365					
MEAN/A	+1381	-1788	+1988	+2103	+2264	+2433	+2651	+2830	+3212	+3500	+4110	+4400	+5100	+6000	+7000	+8000	+9000	
RP10/A	+2,676	-2,979	+3,147	+3,380	+3,601	+3,942	+4,022	+4,202	+4,767	+5,362	+6,131	+6,807	+8,007	+11,426				
RP25/A	+2,025	-2,374	+2,917	+3,532	+3,711	+3,953	+4,213	+4,598	+4,877	+5,479	+6,226	+7,092	+10,027	+16,092				
RP50/A	+2,823	-3,557	+3,930	+4,115	+4,377	+4,644	+5,061	+5,349	+5,597	+6,031	+7,766	+11,179	+17,327					
RP100/A	+2,864	-3,918	+4,317	+4,605	+4,787	+5,066	+5,364	+5,799	+6,042	+7,407	+8,892	+12,100	+18,474					
RP1000/A	+3,027	-5,075	+5,549	+5,740	+6,084	+6,380	+6,684	+7,189	+7,833	+9,187	+10,328	+14,921	+21,878					
RP10000/A	+4,352	-6,193	+6,730	+6,916	+7,319	+7,622	+8,178	+8,660	+9,108	+10,040	+12,100	+17,751	+24,894					
PMP/A	+8589	1,173	1,3018	1,3776	1,4524	1,5500	1,7122	1,8236	2,0726	2,3335	2,6658	3,9007	5,8600					

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
A00 9745 0	WINTERS WOLFSKILL RANCH	137	33	08N	01W	B	M	38°50'	121°9'69"	48

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	20D	30D	60D	F YR
2	2.99	3.62	4.13	4.43	4.74	4.97	5.55	5.89	7.31	8.60	12.67	20.44
5	4.01	5.68	5.67	6.06	6.43	6.71	7.50	8.60	11.64	17.19	26.67	
10	4.67	5.98	6.40	6.11	6.52	7.81	8.62	9.19	11.27	13.49	19.90	30.40
20	5.24	6.54	6.92	6.09	8.83	8.42	9.05	10.22	12.96	17.17	22.43	33.24
25	5.47	7.01	7.92	8.38	8.85	9.13	10.17	10.67	12.96	15.68	21.37	34.76
40	5.57	7.50	8.58	8.53	9.00	9.75	10.87	11.38	13.76	16.73	24.57	36.83
50	6.05	7.82	8.81	9.29	9.79	10.08	11.19	11.70	14.13	17.22	25.23	37.79
100	6.61	9.61	9.68	10.17	10.71	10.98	12.17	12.69	15.22	18.55	23.19	33.72
200	7.19	9.34	10.52	11.03	11.61	11.86	12.87	13.63	16.27	20.08	29.34	43.40
500	11.26	12.44	12.96	13.30	13.83	15.23	15.73	18.55	23.19	33.72	49.44	
1000	13.61	15.96	15.92	16.30	16.53	18.09	18.55	21.57	27.30	39.58	57.51	
PMP	19.81	25.81	24.32	31.11	32.30	33.60	37.87	39.90	49.14	59.06	88.15	124.42
MEAN	3,185	3,931	4,456	4,749	5,067	5,275	5,862	6,190	7,590	9,037	13,246	21,233
CLOCK HR. COR.	1,140	1,070	1,050	1,040	1,030	1,020	1,020	1,010	1,010	1,000	1,000	1,000
CALCULATED SKEW	1,421	1,714	1,429	1,439	1,914	1,966	1,620	1,945	.848	.721	.683	1,025
REGIONAL SKEW	1,100	1,300	1,200	1,100	1,100	1,000	.900	.800	.800	.800	.700	.700
SKEW USED	1,100	1,300	1,200	1,100	1,100	1,000	.900	.800	.800	.800	.700	.700
KURTOSIS	5,626	6,268	5,255	5,118	7,922	7,803	7,287	6,743	3,517	4,228	3,486	3,854
N	25	25	25	25	25	25	25	25	25	25	25	24
RECORD YEAR	1962	1956	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	8,633	8,760	8,404	10,310	12,450	12,650	13,000	14,200	15,270	17,730	27,000	43,000
NORMALIZED MAX	2,461	2,764	2,371	2,630	3,245	3,292	3,238	3,165	2,433	2,347	2,455	2,591
CALC. COEF. VAR	.465	.426	.414	.445	.462	.439	.428	.420	.416	.406	.425	.397
REGN. COEF. VAR	.348	.371	.372	.370	.361	.355	.364	.364	.365	.365	.365	.365
USED COEF. VAR	.348	.371	.372	.370	.361	.356	.364	.364	.365	.365	.365	.365
MEAN/A	+1500	+1851	+2099	+2237	+2386	+2485	+2761	+2915	+3574	+4256	+6238	1,0000
RP10/A	+2,200	+2,771	+3145	+3347	+3541	+3677	+4106	+4330	+5308	+6355	+9,573	1,4319
RP25/A	+2,570	+3,299	+3728	+3947	+4,160	+4,301	+4,769	+5,025	+6,104	+7,060	+7,060	1,6372
RP50/A	+2,649	+3,683	+4,149	+4,376	+4,613	+4,746	+5,271	+5,511	+6,693	+8,018	+1,899	1,7798
RP100/A	+3,111	+4,057	+4,557	+4,791	+5,045	+5,173	+5,733	+5,975	+7,169	+8,798	+12,879	1,9148
RP1000/A	+3,914	+5,285	+5,857	+6,105	+6,812	+6,915	+7,717	+7,407	+8,735	+1,0922	+1,5868	2,3285
RP10000/A	+4,728	+6,212	+7,104	+7,350	+7,741	+7,783	+8,516	+8,737	+10,039	+12,896	+18,642	2,7087
PMP/A	+9,329	1,2153	1,3000	1,4651	1,5304	1,5827	1,7035	1,8789	2,3144	2,7613	4,1517	9,8000

PRECIPITATION TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 18 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	
ASN ORDER SUB		150	68	30	10N	02E	L	M	38.683	121.793	57
ABO 9761 0	WOODLAND 1WW										

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.86	2.44	2.80	2.98	3.29	3.52	3.92	4.28	5.07	5.54	6.55	9.44	16.75
5	2.30	3.36	3.85	4.08	4.47	4.75	5.30	5.77	6.78	7.47	8.83	12.80	21.65
10	2.74	3.97	4.53	4.78	5.22	5.53	6.16	6.68	7.79	8.65	10.20	14.82	24.42
20	3.29	4.54	5.17	5.44	5.92	6.24	6.95	7.50	8.69	9.72	11.43	16.63	26.83
25	3.41	4.72	5.37	5.64	6.14	6.47	7.19	7.75	8.96	10.05	11.80	17.16	27.55
40	3.46	5.09	5.79	5.74	6.25	6.92	7.68	8.26	9.51	10.72	12.56	18.30	29.00
50	3.76	5.27	5.95	6.26	6.86	7.13	7.91	8.50	9.76	11.02	12.91	18.82	29.66
100	4.11	5.80	6.57	6.85	7.44	7.78	8.60	9.24	10.31	11.56	13.56	20.45	33.63
200	4.43	6.37	7.14	7.43	7.93	8.27	9.07	9.76	11.23	12.05	13.97	21.45	33.46
1000	7.00	7.92	8.64	8.73	9.46	9.79	10.56	11.43	12.81	14.83	17.18	25.12	37.46
10000	8.25	9.17	10.24	10.51	11.38	11.70	12.78	13.48	14.89	17.50	20.15	29.48	42.62
PHP	12.33	17.3	19.90	20.94	22.57	23.79	26.78	28.98	33.98	37.66	44.69	65.66	100.33

MEAN	1,382	2,649	3,025	3,197	3,519	3,734	4,143	4,497	5,257	5,817	6,038	9,066	17,121
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.594	.613	.675	.699	.649	.650	.621	.621	.592	.659	.650	.650	.585
REGIONAL SKW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	2,865	4,156	5,036	3,860	3,857	3,577	4,498	3,818	2,483	3,043	3,208	2,853	2,833
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1950	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3,260	5,490	6,020	6,910	7,440	7,790	9,130	9,470	9,930	12,540	13,610	19,670	35,520
NORMALIZED MAX	1,932	2,690	3,438	3,005	2,079	2,697	3,032	2,786	2,274	2,914	2,595	2,440	2,754
CALC. COEF. VAR	.334	.370	.365	.366	.307	.375	.397	.397	.391	.397	.382	.407	.348
REGN. COEF. VAR	.346	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.346	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1157	.1547	.1767	.1667	.2055	.2161	.2420	.2627	.3070	.3397	.3994	.5762	1.0090
RP10/A	.1598	.2316	.2646	.2794	.3050	.3220	.3599	.3901	.4551	.5055	.5585	.8658	1.4266
RP25/A	.1988	.2757	.3139	.3245	.3588	.3776	.4197	.4527	.5232	.5865	.6592	1.0035	1.6092
RP50/A	.2199	.3078	.3493	.3653	.3973	.4166	.4620	.4965	.5700	.6439	.7541	1.0991	1.7327
RP100/A	.2461	.3390	.3936	.4000	.4345	.4841	.5024	.5303	.6141	.6982	.8193	1.1707	1.9184
RP1000/A	.3040	.4392	.4931	.5049	.5523	.5791	.6084	.6464	.7311	.8127	.9171	1.2470	1.9178
RP10000/A	.3649	.5359	.5981	.6141	.6644	.6853	.7466	.7872	.8696	.9574	1.0219	1.2766	2.4894
PHP/A	.7799	1.0198	1.1624	1.2232	1.3185	1.3694	1.5831	1.6928	1.9769	2.1999	2.6100	3.8349	5.8600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	
ASN ORDER SUB		93	26	30	10N	01E	P	M	38.682	121.830	57
ABO 9783 1	WOODLAND RUMSEY										

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.65	2.35	2.83	3.03	3.26	3.53	3.85	4.13	4.77	5.16	6.33	9.13	16.65
5	2.09	3.23	3.80	4.14	4.42	4.81	5.21	5.86	6.39	6.96	8.55	12.39	21.53
10	2.90	3.82	4.57	4.85	5.17	5.56	6.05	6.64	7.34	8.06	9.87	14.34	24.28
20	3.28	4.37	5.21	5.51	5.87	6.20	6.62	7.23	8.18	9.05	11.06	16.09	26.67
25	3.39	4.55	5.42	5.72	6.00	6.50	7.06	7.47	8.43	9.33	11.42	16.62	27.36
40	3.45	4.91	5.83	5.82	6.19	6.60	7.54	7.97	8.95	9.98	12.15	17.71	26.83
50	3.75	5.07	6.03	6.34	6.74	7.17	7.77	8.20	9.19	10.27	12.49	19.21	29.49
100	4.10	5.59	6.62	6.94	7.37	7.82	8.45	8.89	9.90	11.01	13.51	19.71	31.44
200	4.45	6.09	7.24	7.50	7.93	8.40	9.08	9.68	10.80	11.97	14.49	21.14	37.29
1000	8.19	11.74	14.24	15.95	19.27	20.95	18.57	19.80	17.06	13.61	16.63	23.40	37.23
10000	6.12	8.63	10.32	10.66	11.27	11.76	12.55	12.99	14.02	16.30	19.49	28.53	42.36
PHP	12.26	16.75	20.06	21.24	22.36	23.92	26.26	27.94	31.90	35.00	43.24	63.53	99.72

MEAN	1.974	2.551	3.046	3.242	3.466	3.735	4.069	4.335	4.950	5.417	6.617	9.546	17.017
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.664	.612	1.125	1.133	1.406	1.392	1.333	1.327	1.326	1.026	1.375	1.238	1.432
REGIONAL SKW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	2,917	7,554	6,479	5,020	5,618	5,064	5,570	5,150	3,715	3,273	5,192	4,191	4,684
N	26	26	26	26	26	26	26	26	26	26	26	26	25
RECORD YEAR	1950	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3,030	5,430	6,510	6,560	7,280	7,600	8,710	9,090	9,500	9,020	12,760	16,350	33,190
NORMALIZED MAX	1.656	2.920	2,910	2,580	2,869	2,844	3,096	2,939	2,514	2,220	2,759	2,515	2,768
CALC. COEF. VAR	.323	.307	.390	.366	.379	.366	.368	.373	.366	.365	.337	.367	.343
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1160	.1499	.1791	.1935	.2048	.2207	.2391	.2548	.2909	.3163	.3806	.5610	1.0000
RP10/A	.1702	.2244	.2605	.2850	.3040	.3205	.3556	.3764	.4312	.4736	.5801	.8249	1.4266
RP25/A	.1904	.2671	.3183	.3361	.3576	.3620	.4148	.4391	.4956	.5499	.6710	.9769	1.6092
RP50/A	.2204	.2982	.3542	.3727	.3960	.4215	.4505	.4610	.5400	.6034	.7341	1.0700	1.7327
RP100/A	.2406	.3285	.3960	.4081	.4331	.4594	.4965	.5221	.5607	.6033	.6771	1.1530	1.7484
RP1000/A	.3047	.5191	.5806	.5925	.6022	.6412	.7377	.7					

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A10 9837 0	STATION NAME YOLO	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		75	12	10N	01E	A	M	36.733	121.804	57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.80	2.27	2.64	2.85	3.12	3.40	3.77	4.16	4.65	5.24	6.29	8.91	15.78
5	2.42	3.11	3.62	3.90	4.23	4.59	5.10	5.60	6.49	7.08	8.49	12.09	20.39
10	2.82	3.68	4.26	4.57	5.35	5.93	6.48	7.45	8.20	9.81	14.00	23.01	32.01
20	3.19	4.21	4.87	5.20	5.62	6.04	6.49	7.28	8.31	9.21	10.94	15.71	25.28
25	3.41	4.38	5.00	5.38	5.93	6.41	6.82	7.52	8.57	9.52	10.34	15.23	25.16
40	3.36	4.73	5.44	5.49	5.93	6.70	7.39	8.02	9.10	10.15	12.08	17.28	27.32
50	3.65	4.89	5.62	5.98	6.45	6.90	7.61	8.25	9.34	10.44	12.41	17.77	27.95
100	3.98	5.38	6.16	6.55	7.05	7.53	8.28	8.94	10.05	11.32	13.62	19.24	29.60
200	4.31	5.87	6.72	7.10	7.68	8.13	8.92	9.61	10.75	12.17	14.39	20.64	31.54
1000	5.04	6.97	7.94	8.35	8.97	9.46	10.36	11.09	12.25	14.04	16.52	23.72	35.29
10000	6.05	8.51	9.63	10.04	10.79	11.32	12.30	13.08	14.24	16.57	19.37	27.84	40.15
PMP	11.95	16.13	18.72	20.03	21.41	23.02	25.76	28.13	32.41	39.87	42.96	62.01	98.51

MEAN	1.021	2.457	2.844	3.058	3.337	3.615	3.908	4.364	5.009	5.509	6.574	9.318	16.129
CLOCK HR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.177	1.288	1.183	1.012	1.051	1.749	1.132	1.019	1.485	1.384	.594	.463	.908
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400
SKEW USED	1.160	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	2.582	6.252	5.400	4.431	4.660	4.119	4.825	4.407	2.745	2.787	4.155	2.838	4.174
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD	1958	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941	1941	1941
RECORD MAXIMUM	2.700	5.190	5.750	6.380	7.180	7.610	8.690	9.090	9.390	9.720	12.400	17.820	32.600
NORMALIZED MAX	1.298	3.008	2.836	2.817	3.000	2.911	3.270	2.842	2.216	2.000	2.538	2.111	2.831
CALC. COEF. VAR	.311	.376	.359	.386	.380	.380	.380	.383	.352	.382	.322	.322	.361
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.324

MEAN/A	.1191	.1523	.1764	.1896	.2069	.2241	.2241	.2706	.3118	.3416	.4076	.5777	1.0000
RPI/A	1.76	2.20	2.60	2.83	3.07	3.31	3.67	.419	.592	.6860	.8480	.8480	.8480
RPI25/A	1.04	1.475	1.313	1.475	1.621	1.745	1.844	.4664	.5923	.5901	.7636	1.0000	.6092
RPS/A	2.292	3.630	3.847	3.709	3.999	4.281	4.721	.5789	.6474	.7695	.1.019	.1.019	.1.7327
RPI100/A	.2470	.3386	.3830	.4061	.4434	.4666	.5134	.5546	.6237	.7020	.8322	1.1926	.6474
RPI1000/A	.3127	.4524	.5922	.5174	.5559	.5876	.6422	.6875	.7596	.8707	1.0242	1.4707	.24878
RPI10000/A	.3756	.5276	.5970	.6238	.6668	.7020	.7624	.8110	.8831	.1.0274	1.2008	1.7263	.48498
RPM/A	.7407	1.0001	1.1604	1.2418	1.3272	1.4276	1.5972	1.7440	2.0097	2.2117	2.6635	3.8464	.5.8600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A10 29 0	STATION NAME ADIN RANGER STATION	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		4193	26	39N	09E	0	M	41.383	120.917	25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.19	1.54	1.73	1.87	1.99	2.08	2.37	2.61	3.06	3.37	4.00	5.76	15.43
5	1.66	2.21	2.54	2.79	2.96	3.06	3.38	3.69	4.20	4.59	5.32	7.61	19.37
10	1.97	2.68	3.11	3.44	3.66	3.77	4.08	4.43	5.39	6.17	8.79	21.69	
20	2.26	3.13	3.67	4.05	4.36	4.64	4.75	5.15	5.64	6.15	8.07	23.74	
25	2.35	3.27	3.84	4.29	4.58	4.87	4.98	5.37	5.86	6.38	7.20	20.20	24.36
40	2.53	3.56	4.04	4.42	5.05	5.45	5.84	6.25	6.67	7.07	8.29	20.55	
50	2.63	3.70	4.38	4.92	5.27	5.35	5.61	6.07	6.52	7.09	7.94	1.21	20.20
100	2.98	4.13	4.91	5.54	5.95	6.02	6.25	6.74	7.17	7.78	8.66	12.17	27.94
200	3.16	4.55	5.44	6.16	6.63	6.66	6.88	7.42	7.79	8.46	9.36	13.11	29.59
1000	3.77	5.51	6.64	7.56	8.19	8.21	8.32	8.95	9.21	9.98	10.92	15.21	33.20
10000	4.66	6.86	8.34	9.60	10.42	10.36	10.34	11.10	11.18	12.09	13.08	18.08	37.98
PMP	8.76	12.60	15.04	16.98	18.26	18.26	20.25	21.73	23.42	25.65	36.30	81.57	

MEAN	1.299	1.711	1.956	2.133	2.363	2.626	2.892	3.295	3.626	4.257	6.086	15.870	
CLOCK HR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.576	2.384	3.116	3.593	3.610	3.659	3.122	2.491	2.092	2.063	1.546	1.258	1.516
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	6.471	9.894	14.594	18.329	18.757	19.097	15.116	10.129	7.543	7.341	5.760	4.090	2.796
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD	1957	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	2.360	4.290	6.470	8.130	8.960	9.310	9.450	9.630	9.870	10.000	11.900	24.440	
NORMALIZED MAX	2.564	3.397	4.118	4.581	4.660	4.717	3.976	3.533	3.453	3.228	2.587	2.186	
CALC. COEF. VAR	.376	.444	.520	.619	.631	.631	.686	.580	.480	.373	.364	.331	.276
REGN. COEF. VAR	.363	.424	.446	.459	.449	.449	.400	.373	.373	.373	.364	.331	.276
USED COEF. VAR	.383	.424	.446	.459	.449	.449	.400	.373	.373	.373	.373	.331	.276

MEAN/A	.0819	.1076	.1232	.1344	.1439	.1489	.1655	.1822	.2076	.2285	.2662	.3835	1.0000
RPI/A	.1259	.1688	.2170	.2586	.2744	.2984	.3155	.3399	.3377	.3326	.3326	.3326	.3326
RPI25/A	.1430	.2659	.2421	.2763	.2887	.2945	.3125	.3493	.3473	.3459	.3447	.3447	.3447
RPS/A	.1455	.2333	.2760	.3100	.3319	.3370	.3534	.3822	.4111	.4469	.5085	.7061	.1.6512
RPI100/A	.1826	.2601	.3094	.3492	.3749	.3791	.3936	.4250	.4516	.4964	.5456	.7671	.1.7604
RPI1000/A	.2372	.3471	.4779	.5164	.5170	.5240	.5630	.5806	.6289	.6882	.6882	.9506	.2.0918
RPI10000/A	.2901	.4321	.5254	.6464	.6551	.6513	.6939	.7043	.7617				

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 410 161 0 ALTURAS RS 1 4365 13 42N 12E H 41°48'33" 120.533 25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS M= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.10	1.30	1.38	1.45	1.54	1.63	1.87	2.01	2.41	2.73	3.26	4.60	12.21
5	1.52	1.87	2.03	2.17	2.29	2.40	2.67	2.84	3.31	3.73	4.34	6.06	15.32
10	1.81	2.26	2.49	2.68	2.83	2.95	3.22	3.41	3.90	4.38	5.03	7.02	17.16
20	2.08	2.64	2.93	3.18	3.37	3.49	3.75	3.96	4.45	4.99	5.67	7.88	18.78
25	2.16	2.76	3.07	3.34	3.54	3.66	3.92	4.14	4.63	5.18	5.87	8.14	19.27
40	2.33	3.00	3.36	3.67	3.89	4.09	4.37	4.60	5.09	5.57	6.19	8.09	20.27
50	2.42	3.12	3.50	3.83	4.07	4.29	4.57	4.87	5.35	5.76	6.48	8.09	20.73
100	2.67	3.48	3.92	4.32	4.60	4.71	4.94	5.19	5.66	6.32	7.06	9.72	22.10
200	2.91	3.84	4.34	4.80	5.12	5.23	5.43	5.71	6.15	6.66	7.63	10.47	23.41
1000	3.46	4.65	5.30	5.91	6.33	6.42	6.57	6.89	7.27	8.10	8.91	12.15	26.26
10000	4.24	5.78	6.66	7.48	8.05	8.12	8.17	8.55	8.82	9.81	10.67	14.44	30.04
PMP	8.06	10.62	12.00	13.22	13.91	14.31	14.96	15.59	17.15	19.01	20.92	28.99	64.53

MEAN	1.195	1.443	1.561	1.661	1.764	1.850	2.075	2.227	2.601	2.942	3.472	4.859	12.554
CLOCK NR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.375	2.945	2.722	2.586	2.633	2.949	1.944	1.714	1.366	1.968	.946	.742	.767
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100	1.000	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100	1.000	1.000	.600

KURTOSIS	11.300	15.057	12.725	11.337	11.776	11.059	8.194	7.311	5.969	4.166	4.771	3.407	3.610
N	61	61	61	61	61	61	61	61	61	61	61	61	61
RECORD YEAR	1938	1938	1938	1963	1963	1963	1963	1963	1963	1963	1938	1938	1952
RECORD MAX	3.510	5.080	5.240	5.260	5.770	5.770	5.820	5.840	6.170	6.170	7.610	9.500	23.200
NORMALIZED MAX	3.992	4.718	4.475	4.624	4.368	4.177	3.851	3.717	3.629	3.173	3.643	3.095	3.083
CALC. COEF. VAR	.485	.534	.527	.538	.520	.507	.469	.436	.378	.346	.327	.309	.275
REGN. COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.0952	.1150	.1243	.1323	.1405	.1474	.1653	.1774	.2072	.2344	.2766	.3871	1.0000
RP10/A	.1440	.1799	.1981	.2136	.2255	.2349	.2565	.2720	.3107	.3487	.4008	.5688	1.3667
RP20/A	.1721	.2195	.2443	.2661	.2820	.2915	.3121	.3270	.3685	.4220	.4640	.6464	1.5352
RP40/A	.2080	.2657	.2970	.3200	.3450	.3625	.3920	.4211	.4601	.5144	.5516	.7121	1.12
RP100/A	.2123	.2773	.3122	.3438	.3662	.3753	.3932	.4137	.4505	.5031	.5625	.7473	1.7604
RP1000/A	.2759	.3700	.4222	.4765	.5045	.5117	.5234	.5488	.5792	.6451	.7096	.9676	2.0918
RP10000/A	.3374	.4607	.5302	.5955	.6415	.6466	.6507	.6807	.7027	.7614	.8496	1.1503	2.3930
RPm/A	.6422	.8461	.9562	1.0534	1.1081	1.1398	1.1918	1.2418	1.3062	1.5141	1.6663	2.3089	5.1400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 410 2306 0 DAY 3650 15 39N 05E R M +1.215 121+368 25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS M= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.83	2.34	2.61	2.80	3.04	3.22	3.86	4.31	5.23	6.02	7.38	10.16	23.58
5	2.54	3.36	3.83	4.18	4.53	4.75	5.52	6.08	7.19	8.20	9.81	13.44	29.60
10	3.01	4.07	4.69	5.17	5.61	5.84	6.66	7.31	8.47	9.64	11.37	15.51	33.14
20	3.45	4.75	5.52	6.13	6.68	6.91	7.76	8.49	9.67	10.98	12.83	17.42	36.27
25	3.59	4.97	5.87	6.40	7.02	7.25	8.10	8.86	10.14	11.40	13.20	18.01	37.22
40	3.88	5.42	6.34	7.08	7.73	8.02	8.92	9.64	10.91	12.29	14.20	17.50	39.15
50	4.02	5.63	6.66	7.39	8.07	8.30	9.16	10.00	11.18	12.46	14.64	17.48	40.04
100	4.43	6.27	7.40	8.32	9.11	9.33	10.21	11.12	12.28	13.90	15.96	21.49	42.68
200	4.84	6.91	8.19	9.25	10.15	10.36	11.24	12.22	13.35	15.11	17.25	23.15	45.21
1000	5.76	8.37	10.00	11.39	12.55	12.73	13.59	14.75	15.76	17.83	20.13	26.86	50.72
10000	7.04	10.42	12.56	14.41	15.96	16.08	16.89	18.30	19.15	21.59	24.11	31.93	58.02
PHM	13.41	19.14	22.65	25.50	27.97	28.35	30.94	33.30	37.23	41.83	47.28	64.09	124.63

MEAN	1.988	2.601	2.946	3.203	3.496	3.665	4.291	4.768	5.645	6.476	7.848	10.744	24.247
CLOCK NR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.839	.972	1.208	1.967	2.292	2.004	1.204	1.143	.783	1.023	.452	.807	.054
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100	1.000	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100	1.000	1.000	.600

KURTOSIS	3.200	3.663	5.348	8.320	10.054	8.815	4.692	3.931	3.267	3.561	2.398	3.712	1.988
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1948	1963	1963	1963	1963	1963	1963	1970	1970	1970	1965	1970	1970
RECORD MAX	3.140	4.500	6.520	7.620	8.570	8.670	8.700	9.160	10.730	12.370	12.560	21.150	33.410
NORMALIZED MAX	1.808	2.018	2.794	3.377	3.666	3.482	2.728	2.949	2.684	2.320	1.475	2.546	1.555
CALC. COEF. VAR	.321	.362	.434	.408	.402	.392	.377	.372	.363	.392	.338	.380	.243
REGN. COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.0820	.1073	.1215	.1321	.1442	.1512	.1770	.1966	.2328	.2671	.3237	.4431	1.0000
RP20/A	.1240	.1675	.2133	.2314	.2410	.2746	.3126	.3402	.3764	.4076	.4507	.5107	1.3667
RP50/A	.1627	.2079	.2472	.2804	.3054	.3327	.3424	.3779	.4124	.4566	.5176	.6427	1.5552
RP100/A	.1657	.2320	.2721	.3046	.3327	.3424	.3779	.4124	.4566	.5063	.5753	.6864	1.6512
RP1000/A	.1928	.2587	.3051	.3432	.3758	.3950	.4210	.4586	.5063	.5603	.6583	.8864	1.7604
RP10000/A	.2376	.3453	.4125	.4697	.5176	.5250	.5604	.6083	.6510	.7352	.8304	1.1076	2.0918
RP20500/A	.2905	.4299	.5180	.5945	.6582	.6632	.6966	.7545	.7897	.8695	.9942	1.3168	2.3930
RP5531	.5531	.7895	.9342	1.0516	1.1370	1.1693	1.2759	1.3765	1.5355	1.7254	1.9500	2.6431	5.1400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 410 2964 0 FALL RIVER MILLS INTAKE 3340 25 37N 04E N M 41-017 121-467 45

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.56	1.97	2.16	2.32	2.49	2.57	2.87	3.12	3.64	4.00	4.67	7.18	17.73
5	2.16	2.84	3.17	3.46	3.64	3.79	4.10	4.41	5.00	5.46	6.21	9.50	22.26
10	2.57	3.44	3.88	4.28	4.51	4.67	4.95	5.30	5.89	6.41	7.20	10.96	24.92
20	2.95	4.02	4.57	5.08	5.36	5.52	5.76	6.15	6.73	7.30	8.12	12.31	27.28
50	3.17	4.47	4.94	5.41	5.64	5.79	6.22	6.42	6.97	7.58	8.04	12.43	27.90
40	3.31	4.58	5.24	5.87	6.21	6.36	6.79	7.13	7.53	8.16	8.54	13.59	24.44
50	3.43	4.78	5.45	6.12	6.48	6.62	6.81	7.24	7.78	8.42	9.27	13.99	30.11
100	3.78	5.30	6.12	6.89	7.32	7.45	7.58	8.05	8.55	9.24	10.10	15.19	32.10
200	4.13	5.84	6.77	7.66	8.16	8.27	8.35	8.85	9.29	10.05	10.91	16.38	34.00
1000	4.92	7.08	8.27	9.43	10.08	10.16	10.09	10.60	10.99	11.86	12.74	18.99	38.14
10000	6.01	8.81	10.38	11.94	12.82	12.84	12.55	13.25	13.93	14.35	15.25	22.57	43.64
PMF	11.44	16.18	18.73	21.12	22.15	22.63	22.98	24.18	25.91	27.82	29.92	45.30	93.73

MEAN	1.697	2.198	2.435	2.653	2.809	2.926	3.188	3.454	3.929	4.307	4.966	7.595	19.235
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.247	1.699	1.398	1.566	1.614	1.490	1.918	.747	.596	.734	.206	.466	.495
REGIONAL SKEW	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	4.691	7.047	5.813	7.705	6.897	5.891	4.204	3.069	3.101	3.522	2.488	3.679	2.399
N	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
RECORD YEAR	1938	1963	1963	1963	1963	1963	1963	1963	1970	1970	1970	1970	1970
RECORD MAXIMUM	3.250	4.870	5.520	5.920	6.920	6.920	7.050	7.130	8.260	8.280	14.670	30.080	
NORMALIZED MAX	2.379	3.036	3.117	3.757	3.662	3.393	3.111	2.906	2.433	2.701	2.134	2.871	2.274
CALC. COEF. VAR	.388	.400	.406	.420	.420	.406	.426	.397	.395	.340	.333	.324	.366
REDN. COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.9930	.1206	.1336	.1455	.1541	.1605	.1766	.1894	.2155	.2362	.2723	.4165	1.0000
RP10/A	.1489	.1507	.2127	.2348	.2572	.2599	.2713	.2904	.3232	.3315	.3477	.8613	.13867
RP25/A	.1500	.1502	.2127	.2348	.2572	.2599	.2713	.2904	.3232	.3315	.3477	.8613	.13867
RP50/A	.1881	.2068	.2991	.3355	.3555	.3433	.3793	.3972	.4286	.4420	.5081	.6561	.6512
RP100/A	.2075	.2908	.3354	.3780	.4055	.4087	.4158	.4417	.4686	.5079	.5539	.8332	.17664
RP1000/A	.2696	.3881	.4535	.5172	.5530	.5573	.5536	.5859	.6025	.6502	.6987	.1.0412	.2.918
RP10000/A	.3297	.4831	.5595	.6564	.7033	.7040	.6881	.7268	.7309	.7875	.8366	.1.2377	.2.3930
PMF/A	.6276	.8873	1.0271	1.1580	1.2148	1.2413	1.2604	1.3259	1.4211	1.5259	1.6408	2.4844	5.1400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 410 3821 0 HAT CREEK R S 3348 15 34N 04E M 40-800 121-500 45

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.03	2.47	2.99	2.92	3.13	3.33	3.66	4.00	4.67	5.21	6.19	9.02	19.90
5	2.82	3.55	3.95	4.36	4.66	4.90	5.23	5.64	6.41	7.11	8.23	11.93	24.97
10	3.34	4.30	4.84	5.38	5.78	6.03	6.31	6.78	7.55	8.35	9.54	13.77	27.96
20	3.84	5.02	5.70	6.39	6.87	7.13	7.35	7.87	8.62	9.52	10.76	15.46	30.81
50	4.45	5.22	5.71	6.21	6.72	7.04	7.55	8.22	8.95	9.86	11.14	16.41	31.41
40	4.32	5.92	6.54	7.38	7.61	7.91	8.22	8.64	9.44	10.63	12.39	17.36	31.93
50	4.47	5.95	6.80	7.69	8.30	8.57	8.86	9.28	9.96	10.98	12.29	17.56	33.78
100	4.93	6.63	7.63	8.67	9.38	9.64	9.87	10.31	10.94	12.05	13.39	19.08	36.02
200	5.38	7.30	8.45	9.63	10.45	10.70	10.64	11.34	12.90	13.09	14.47	20.55	38.15
1000	6.61	8.85	10.32	11.86	12.92	13.16	12.87	13.68	14.07	15.45	16.89	23.84	42.80
10000	7.83	11.01	12.95	15.01	16.43	16.80	16.00	16.97	17.07	18.72	20.23	28.34	48.96
PMF	14.91	20.23	23.36	26.55	28.38	29.27	29.31	30.96	33.18	36.26	39.67	56.88	105.16

MEAN	2.211	2.748	3.038	3.335	3.599	3.784	4.055	4.422	5.032	5.613	6.564	9.536	20.459
CLOCK HR. COR.	1.160	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.709	1.327	1.709	1.840	1.845	1.743	1.638	1.458	1.132	1.081	.730	.076	.598
REGIONAL SKEW	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	2.735	4.915	6.555	6.878	7.130	6.751	6.011	5.122	3.601	3.711	3.205	3.958	3.739
N	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29
RECORD YEAR	1964	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1941
RECORD MAX	3.860	6.320	7.910	9.010	9.560	9.620	9.700	9.750	9.930	11.950	12.620	19.580	36.600
NON-LEAD MAX	1.759	2.068	3.117	3.236	3.333	3.265	3.064	2.839	2.347	2.653	2.530	2.667	2.740
CALC. COEF. VAR	.424	.487	.514	.526	.497	.472	.450	.424	.415	.426	.362	.395	.324
REDN. COEF. VAR	.308	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.1081	.1343	.1465	.1630	.1759	.1849	.1907	.2162	.2459	.2744	.3216	.4661	1.0000
RP10/A	.1637	.2103	.2395	.2622	.2223	.2948	.3084	.3314	.3459	.4083	.4463	.6727	1.3667
RP25/A	.1625	.2108	.2395	.2622	.2223	.2948	.3084	.3314	.3459	.4083	.4463	.6727	1.3667
RP50/A	.2194	.2906	.3236	.3759	.4059	.4187	.4243	.4534	.4869	.5367	.5405	.8083	1.5152
RP100/A	.2410	.3240	.3729	.4236	.4585	.4710	.4726	.5041	.5349	.5869	.6564	.9324	1.7604
RP1000/A	.3132	.4324	.5042	.5796	.6315	.6462	.6529	.6667	.6876	.7553	.8257	1.1052	2.0910
RP10000/A	.3829	.5383	.6332	.7336	.8030	.8113	.7821	.8294	.8342	.9140	.9884	1.3082	2.3930
PMF/A	.7289	.9867	.1420	.1977	.1387	.14305	.14325	.15131	.14220	.17725	.1939	.27804	.51400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
A10 3824 0

STATION NAME

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
3015 32 36N 04E M 40°9.33' 121°55.00' 45'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.89	2.14	2.28	2.43	2.61	2.94	3.19	3.86	4.37	5.27	7.66	18.19
5	2.06	2.72	3.14	3.39	3.62	3.85	4.20	4.51	5.30	5.96	7.01	10.13	23.63
10	2.44	3.29	3.84	4.19	4.46	4.73	5.07	5.31	6.24	7.01	8.13	11.70	25.56
20	2.81	3.74	4.52	4.98	5.33	5.60	5.91	6.29	7.13	7.98	9.17	13.14	27.98
25	2.92	4.02	4.73	5.23	5.60	5.87	6.17	6.56	7.40	8.29	9.49	13.58	28.72
40	3.15	4.38	5.18	5.75	6.17	6.45	6.72	7.13	7.97	8.92	9.65	14.50	30.20
50	3.25	4.55	5.40	5.99	6.44	6.72	6.98	7.40	8.24	9.21	10.46	14.92	30.89
100	3.60	5.07	6.05	6.75	7.27	7.56	7.78	8.23	9.05	10.11	11.41	15.21	32.33
200	3.93	5.57	6.70	7.51	8.00	8.36	8.67	9.05	9.85	10.92	12.22	17.16	34.88
400	4.68	6.77	8.16	9.24	10.02	10.31	10.35	10.92	11.64	12.96	14.39	20.25	39.13
1000	5.72	8.43	10.27	11.69	12.74	13.19	12.87	13.55	14.12	15.78	17.23	24.08	44.76
PMP	10.89	15.48	18.53	20.59	24.01	22.96	23.57	24.71	27.45	30.42	33.78	48.33	96.14

MEAN	1.615	2.104	2.410	2.599	2.791	2.968	3.269	3.530	4.163	4.708	5.607	8.103	18.705
CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.232	.393	1.347	1.056	1.214	1.114	.948	.568	.455	.252	.319	.910	
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.100	1.000	1.000	.600

KURTOSIS	4.462	3.231	5.768	8.290	9.047	7.319	5.166	4.219	2.760	2.453	2.639	2.488	3.595
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1942
RECORD MAXIMUM	2.800	4.300	5.640	6.870	7.800	7.810	7.810	7.980	8.570	10.310	14.350	36.180	
NORMALIZED MAX	2.249	2.524	3.493	4.061	4.309	4.057	3.687	3.325	2.571	2.285	2.456	2.260	2.803
CALC. COEF. VAR	.326	.393	.384	.405	.416	.402	.377	.365	.397	.359	.341	.333	
REON. COEF. VAR	.393	.424	.446	.454	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.454	.449	.414	.400	.373	.364	.335	.331	.276	

MEAN/A	.0863	.1125	1.288	.1389	1.492	.1587	.1748	.1887	.2225	.2517	.2998	.4332	1.0000
RP10/A	1.136	1.789	2.052	.2395	.2530	.2712	.2984	.3328	.3745	.4344	.6254	.13657	
RP25/A	1.591	2.148	2.531	.2794	.3139	.3300	.3507	.3958	.4430	.5072	.7261	.15352	
RP50/A	1.745	2.433	.2885	.3204	.3443	.3592	.3732	.3958	.4460	.4923	.5594	.7977	.16512
RP100/A	1.925	2.713	.3235	.3610	.3889	.4041	.4157	.4402	.4840	.5403	.5898	.8684	.17604
RP1000/A	2.502	3.620	.4374	.4939	.5356	.5510	.5534	.5822	.6292	.7697	.9209	1.0829	.23930
RP10000/A	3.059	.4507	.5493	.6252	.6811	.6960	.6879	.7242	.7549	.8393	.9209	1.0773	.23930
PMP/A	.5824	.6277	.9906	1.1059	1.1766	1.2273	1.2599	1.3212	1.4877	1.6261	1.8082	.5839	.51400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB A10 4374 0	STATION NAME	ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE 5290 06 39N 15E C M 41°26' 120°38' 25'
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.19	1.44	1.56	1.69	1.81	1.96	2.23	2.44	2.91	3.27	3.96	5.83	17.03
5	1.55	2.07	2.29	2.53	2.69	2.89	3.18	3.39	4.00	4.49	5.26	7.72	21.37
10	1.96	2.56	2.81	3.12	3.34	3.55	3.84	4.20	4.71	5.23	6.10	8.91	23.93
20	2.25	2.92	3.30	3.71	3.97	4.20	4.48	4.73	5.38	5.99	6.88	10.00	26.19
25	2.34	3.06	3.46	3.89	4.17	4.40	4.68	4.93	5.59	6.22	7.13	10.34	26.88
40	2.53	3.33	3.79	4.28	4.60	4.84	5.09	5.38	6.02	6.66	7.24	11.04	28.27
50	2.62	3.46	3.94	4.44	4.80	5.04	5.29	5.57	6.22	6.88	7.66	11.36	28.91
100	2.89	3.86	4.42	5.03	5.67	5.97	5.89	6.19	6.84	7.55	8.37	12.84	30.83
200	3.15	4.25	4.96	5.53	6.04	6.30	6.49	6.74	7.33	8.02	8.75	12.57	32.65
400	3.76	5.21	5.96	6.76	7.45	7.86	8.21	8.79	9.66	10.80	11.54	16.53	
1000	4.59	6.41	7.51	8.71	9.49	9.77	9.75	10.19	10.66	11.72	12.94	18.33	41.90
PMP	8.75	11.78	13.54	15.61	16.40	17.22	17.86	18.58	20.73	22.72	25.37	36.80	90.00

MEAN	1.297	1.600	1.761	1.936	2.079	2.227	2.477	2.654	3.143	3.516	4.211	6.160	17.510
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.905	2.145	2.422	2.700	2.352	2.120	1.924	1.864	1.989	1.928	.529	.524	-0.214
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.100	1.000	1.000	.500
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.100	1.000	1.000	.500

KURTOSIS	8.143	8.893	9.769	8.611	10.912	9.694	9.538	7.901	5.112	4.775	3.106	3.201	2.361
RECORD YEAR	1936	1936	1936	1936	1936	1936	1936	1936	1936	1936	1936	1936	1936
RECORD MAXIMUM	2.750	3.720	4.160	4.840	5.720	5.010	5.910	5.910	6.170	6.380	6.820	10.370	24.140
NORMALIZED MAX	2.869	3.308	3.643	3.871	4.337	4.175	4.237	4.033	3.491	3.349	2.309	2.645	1.786
CALC. COEF. VAR	.391	.400	.374	.398	.404	.385	.327	.304	.276	.243	.268	.257	.212
REON. COEF. VAR	.383	.424	.446	.454	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.454	.449	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.0741	.0914	.1006	.1105	.1188	.1272	.1415	.1516	.1795	.2006	.2405	.3523	1.0000
RP10/A	.1120	.1431	.1802	.1784	.1906	.2028	.2195	.2324	.2693	.2986	.3485	.5086	1.3667
RP25/A	.1339	.1745	.1976	.2223	.2383	.2518	.2671	.2817	.3193	.3534	.4069	.5905	1.5352
RP50/A	.1497	.1977	.2253	.2549	.2740	.2879	.3021	.3179	.3553	.3928	.4487	.6488	1.6512
RP100/A	.1651	.2204	.2524	.2872	.3095	.3238	.3385	.3535	.3904	.4310	.4892	.7480	1.7804
RP1000/A	.2146	.2942	.3415	.3930	.4263	.4416	.4479	.4689	.5019	.5528	.6170	.8807	2.0018
RP10000/A	.2624	.3482	.4289	.4976	.5421	.5578	.5588	.5817	.6088	.6698	.7308	.1.0477	.2.3930
PMP/A	.4995	.6726	.7735	.8799	.9364	.9836	1.0199	1.0512	1.1830	1.2973	1.4490	1.01918	5.1400

PEARSON TYPE III DISTRIBUTION USED

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB A10 A946 0 PIT RIVER POWER HOUSE 1458 09 36N 01W M 40.983 121.983 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.41	7.68	9.28	10.22	10.96	12.12	14.37	15.81	19.36	22.61	27.38	38.98	75.47
5	7.50	11.05	13.92	15.25	16.30	17.85	20.51	22.32	26.58	30.93	36.41	51.56	94.72
10	8.90	13.39	16.67	18.05	20.49	21.96	24.32	26.82	31.21	35.22	42.22	59.51	106.05
20	10.26	16.32	19.22	21.46	23.12	25.77	28.84	31.76	37.75	44.24	49.42	65.92	119.19
25	10.26	16.33	20.56	25.25	27.25	30.13	32.51	37.13	42.64	49.30	69.09	119.19	
40	11.49	17.80	22.52	25.82	27.82	29.92	32.81	35.35	39.99	46.09	50.12	73.74	125.29
50	11.89	18.50	23.44	26.92	29.03	31.18	34.07	36.69	41.33	47.61	54.38	75.91	128.13
100	13.12	20.63	26.28	30.34	32.79	35.08	37.95	40.79	45.40	52.25	59.25	82.46	136.61
200	14.32	22.73	29.09	33.72	36.53	38.94	41.76	44.85	50.38	56.78	64.03	88.82	144.68
1000	17.05	27.53	35.53	41.51	45.17	47.83	51.52	54.11	58.37	67.00	74.75	103.03	162.32
10000	20.84	34.21	44.62	52.54	57.44	60.42	62.80	67.12	70.60	81.16	89.50	122.50	185.69
PMP	39.67	62.94	92.94	96.92	101.21	106.54	115.03	122.44	137.58	157.24	175.24	245.89	398.86

MEAN	8.582	8.551	10.465	11.675	12.582	13.774	15.954	17.492	20.877	24.341	29.135	41.221	77.598
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.496	.368	.628	.671	.731	1.005	1.163	1.011	1.021	1.119	1.364	1.098	.254
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	

KURTOSIS	2.835	2.662	3.251	3.449	3.550	4.315	4.705	4.384	4.487	4.516	5.234	4.651	3.061
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD MAX YR	1965	1956	1956	1965	1965	1965	1965	1965	1970	1970	1956	1956	1956
NORMALIZED MAX	1.426	1.290	1.716	2.020	2.020	2.254	2.934	31.04	45.890	57.130	78.000	118.00	
CALC. COEF. VAR	.226	.297	.329	.359	.367	.378	.345	.339	.351	.371	.337	.332	.253
REGN. COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
USED COEF. VAR	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276

MEAN/A	.0758	.1102	.1349	.1505	.1621	.1775	.2056	.2254	.2690	.3137	.3755	.5312	1.0000
RP10/A	.1147	.1725	.2148	.2429	.2402	.2830	.3191	.3456	.4035	.4467	.5451	.7669	1.3667
RP25/A	.1370	.2105	.2649	.3026	.3254	.3512	.3882	.4189	.4755	.5250	.6353	.8904	1.5352
RP50/A	.1532	.2384	.3020	.3470	.3741	.4018	.4391	.4728	.5326	.6135	.7006	.9782	1.6512
RP100/A	.1690	.2658	.3396	.3909	.4226	.4520	.4891	.5257	.5851	.6733	.7637	.9027	1.7604
RP1000/A	.2197	.3547	.4579	.5349	.5821	.6164	.6511	.6973	.7522	.8634	.9633	.13279	2.0918
RP10000/A	.2686	.4416	.5750	.6770	.7402	.7787	.8093	.8849	.9125	1.0458	1.1534	1.5786	2.3930
PMP/A	.5113	.8111	1.0370	1.1977	1.2785	1.3730	1.4823	1.5779	1.7743	2.0264	2.2622	3.1687	5.1400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB A20 2572 0 OUNSMUIR 170 2420 13 39N 04W M 41+217 122+267 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	5.68	6.94	7.91	8.65	9.49	10.11	12.00	14.48	16.22	19.84	29.38	57.10
5	5.42	7.85	9.70	11.03	12.09	13.08	14.98	16.37	19.57	22.26	26.88	39.52	72.06
10	6.30	9.24	11.51	13.21	14.15	15.34	17.50	19.44	22.58	25.94	34.60	54.56	87.89
20	7.17	10.65	13.40	15.41	17.91	18.66	19.73	20.54	22.19	24.67	32.97	38.84	67.04
25	7.37	11.08	13.74	15.49	16.77	18.07	19.21	20.54	22.19	24.19	32.37	35.99	59.09
40	7.49	11.97	14.83	15.78	17.05	19.40	21.20	23.70	27.65	32.37	38.32	56.07	94.53
50	8.14	12.38	15.34	17.25	18.65	20.02	22.64	24.40	28.40	33.33	39.40	57.62	94.55
100	8.88	13.65	16.90	18.94	20.47	21.89	24.67	26.50	30.64	36.23	42.63	62.29	102.55
200	9.60	14.89	20.21	20.59	22.24	23.70	26.64	28.52	32.77	39.02	45.43	66.76	108.20
500	11.20	17.11	21.21	24.31	26.21	31.75	31.01	33.02	37.43	45.83	52.45	75.59	120.35
1000	13.65	21.43	26.62	31.16	33.31	39.95	39.03	39.03	43.50	53.50	63.43	89.72	142.12
PMP	26.44	41.09	52.19	59.20	63.57	68.47	70.03	84.61	99.91	116.35	137.06	198.02	312.41

MEAN	4.325	6.174	7.733	8.644	8.969	9.292	2.729	2.910	3.195	2.531	2.564	2.594	3.640
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.281	.286	.210	.276	.459	.436	.343	.328	.385	.159	.164	.211	.491
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.700	.700	.400

KURTOSIS	2.794	2.773	2.833	2.644	2.896	2.925	2.729	2.910	3.195	2.531	2.564	2.594	3.640
N	49	49	49	49	49	49	49	49	49	49	49	49	49
RECORD YEAR	1974	1974	1965	1951	1951	1951	1950	1950	1941	1941	1941	1941	1974
RECORD MAXIMUM	6.290	9.774	11.950	13.400	15.170	16.990	18.640	21.045	28.045	28.710	36.290	53.570	104.710
NORMALIZED MAX	1.651	2.056	2.138	2.022	2.210	2.051	2.473	2.818	2.096	2.241	2.137	2.629	
CALC. COEF. VAR	.275	.281	.275	.298	.299	.307	.295	.322	.324	.324	.335	.349	.304
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.374	.365	.291

MEAN/A	.0743	.1660	.1291	.1462	.1597	.1739	.1987	.2169	.2584	.2936	.3561	.5268	1.0000
RP10/A	.1082	.1596	.1977	.2240	.2420	.2635	.3066	.3270	.3875	.4455	.5336	.7831	1.3932
RP25/A	.1266	.1903	.2359	.2661	.2881	.3104	.3523	.3811	.4468	.5201	.6180	.9049	1.5472
RP50/A	.1397	.2126	.2635	.2962	.3203	.3437	.3888	.4190	.4876	.5724	.6766	.9895	1.6580
RP100/A	.1524	.2344	.2902	.3253	.3515	.3758	.4237	.4551	.5261	.6222	.7321	.10697	1.7611
RP1000/A	.1926	.3641	.3754	.4174	.4501	.4766	.5326	.5667	.6428	.7755	.9021	.13152	2.0668
RP10000/A	.2369	.3715	.4571	.5651	.5540	.5718	.6346	.6702	.7488	.9188	.10584	.15468	2.3377
PMP/A	.4561	.7056	.6983	1.0167	1.0917	1.1759	1.3400	1.4531	1.7158	1.9988	2.3537	3.4110	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 420 5449 0	STATION NAME MC CLOUD	ELEV 3300	SEC 01	TWP 39N	RNG 03W	BLK M	LATITUDE 41.267	LONGITUDE 122.133	COUNTY CODE 47
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.49	4.98	5.98	6.72	7.47	8.21	9.39	10.34	12.23	13.43	16.35	23.33	47.52
5	4.66	6.87	6.37	9.37	10.37	11.32	12.89	14.11	16.53	18.43	22.14	31.39	59.97
10	5.41	8.14	9.93	12.23	13.28	15.05	17.04	18.44	21.30	21.48	25.14	36.22	67.02
20	6.12	9.33	11.39	12.67	13.92	15.09	17.04	18.44	21.30	24.22	25.70	40.45	74.44
25	6.33	9.76	11.31	13.18	14.49	15.45	17.45	19.33	21.26	23.58	29.66	41.85	74.97
40	6.44	10.44	12.79	13.10	14.76	15.79	18.90	20.43	23.35	26.80	31.59	46.53	78.66
50	6.99	10.84	13.23	14.65	16.12	17.32	19.48	21.03	23.98	27.60	32.48	45.76	80.34
100	7.63	11.95	14.57	16.09	17.68	18.94	21.23	22.84	25.88	30.00	35.14	49.47	95.33
200	8.25	13.04	15.08	17.50	19.21	20.51	22.92	24.59	27.68	32.31	37.69	53.02	90.04
1000	9.64	15.51	18.85	20.65	22.64	24.02	26.68	28.44	31.61	37.41	43.30	60.82	100.15
10000	11.55	18.94	22.95	24.99	27.37	28.82	31.79	33.64	36.83	44.30	50.81	71.26	108.89
PMP	22.72	35.99	45.00	50.59	54.92	56.26	67.14	72.93	84.59	98.34	117.98	157.75	259.97

MEAN	3.715	5.407	6.484	7.231	8.036	8.767	9.954	10.885	12.710	14.158	17.093	24.363	48.456
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+2.40	+4.38	+0.46	+5.18	+7.83	+8.14	+7.43	+6.84	+4.19	+2.28	+3.79	+0.14	+0.352
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	2.864	2.586	2.763	2.576	3.447	3.708	3.317	3.337	2.358	2.121	2.457	2.346	2.844
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD	1921	1954	1956	1921	1921	1921	1941	1941	1941	1941	1941	1941	1941
RECORD MAXIMUM	5.810	8.610	11.040	12.210	15.310	17.210	18.880	21.400	22.820	23.570	30.310	46.400	86.100
NORMALIZED MAX	2.041	1.913	2.297	2.165	2.803	2.903	2.866	2.845	1.855	2.124	2.376	2.288	2.288
CALC. COEF. VAR	.276	.311	.308	.310	.323	.332	.339	.339	.364	.358	.364	.377	.365
REGN. COEF. VAR	.341	.377	.376	.377	.389	.386	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.376	.377	.389	.386	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0767	.1116	.1338	.1492	.1658	.1809	.2054	.2246	.2623	.2922	.3527	.5028	1.0000
RP10/A	.1117	.1679	.2049	.2523	.2747	.3104	.3367	.3932	.4443	.5086	.7474	.13832	
RP20/A	.1443	.2238	.2730	.3024	.3224	.3575	.4020	.4340	.4950	.5175	.6122	.8037	.14472
RP50/A	.1754	.2467	.3007	.3221	.3650	.3909	.4381	.4714	.5340	.6191	.7252	.9445	.16580
RP100/A	.1989	.3201	.3890	.4261	.4673	.4957	.5507	.5869	.6524	.7721	.8937	.9252	.20688
RP1000/A	.2388	.3909	.4736	.5157	.5648	.5948	.6582	.6942	.7601	.9142	1.0485	1.4704	.23377
PMP/A	.4689	.7426	.9287	1.0379	1.1333	1.2231	1.3856	1.5051	1.7416	1.9862	2.3316	3.2555	.53650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 420 5983 0	STATION NAME MT SHASTA CITY	ELEV 185	SEC 3544	TWP 18S	RNG 35W	BLK 41.317	LATITUDE 122.317	LONGITUDE 41.317	COUNTY CODE 47
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.05	4.22	4.88	5.39	5.63	6.30	7.04	7.75	8.96	9.91	12.07	17.32	35.21
5	4.07	5.83	7.52	8.09	8.68	9.66	10.58	12.11	13.59	16.35	23.30	44.43	
10	4.73	6.90	8.09	8.89	9.54	10.19	11.29	12.31	13.96	15.84	26.89	49.90	
20	5.34	9.19	9.28	10.17	11.57	12.78	13.86	15.86	17.80	21.06	36.04	56.19	
25	5.53	8.23	9.65	10.61	11.24	12.00	13.24	14.34	15.40	17.50	21.90	37.07	55.54
40	5.69	8.99	10.42	11.76	12.52	13.84	14.17	15.32	17.10	19.77	23.32	33.06	58.29
50	6.11	9.19	10.78	11.76	12.58	13.29	14.61	15.77	17.57	20.36	23.98	33.97	59.52
100	6.66	10.13	11.87	12.70	13.80	14.53	15.97	17.13	18.95	22.13	25.94	36.73	63.22
200	7.20	11.06	12.94	14.04	14.99	15.73	17.19	18.43	20.27	23.83	27.83	39.36	66.71
1000	8.42	13.15	15.36	17.67	18.42	20.01	21.32	23.15	27.61	31.97	45.15	74.20	
10000	10.09	16.06	18.70	20.06	21.36	22.11	23.85	25.22	26.97	32.68	37.51	52.70	83.92
PMP	19.84	30.61	36.67	40.37	42.87	45.46	50.36	54.68	61.81	71.06	83.40	117.11	192.86

MEAN	3.245	4.584	5.284	5.805	6.272	6.724	7.466	8.161	9.308	10.443	12.618	18.086	35.900
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+1.69	1.984	1.389	1.166	.876	.875	.670	.591	.821	.820	.823	.550	.407
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	8.631	10.629	6.505	5.672	4.498	4.117	3.684	3.521	4.481	4.448	4.132	3.079	2.894
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD	1909	1909	1909	1909	1909	1909	1909	1909	1909	1909	1909	1909	1941
RECORD MAXIMUM	7.830	12.220	13.050	14.350	15.150	16.450	17.310	22.230	24.100	29.700	38.000	55.100	
NORMALIZED MAX	3.841	4.425	3.993	3.950	3.480	3.484	3.464	3.610	3.627	3.647	2.943	2.214	
CALC. COEF. VAR	.369	.376	.388	.370	.356	.359	.359	.358	.372	.379	.394	.387	.324
REGN. COEF. VAR	.341	.377	.398	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.398	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0904	.1277	.1472	.1617	.1747	.1873	.2086	.2273	.2593	.2909	.3515	.5038	1.0000
RP10/A	.1317	.1922	.2253	.2498	.2809	.2857	.3460	.3520	.3888	.4413	.5357	.7409	.13832
RP20/A	.1517	.2561	.3003	.3276	.3564	.3701	.4069	.4329	.4893	.5153	.6100	.6554	.15472
RP50/A	.1701	.2823	.3300	.3598	.3854	.4047	.4435	.4770	.5279	.6193	.7226	.9463	.16580
RP100/A	.1855	.2823	.3300	.3598	.3854	.4047	.4435	.4770	.5279	.6193	.7226	.9463	.17611
RP1000/A	.2344	.3663	.4278	.4617	.4923	.5132	.5574	.5940	.6449	.7667	.8904		

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 420 8135 0 SHASTA DAM 1076 15 33N 05W N 40.717 122.417 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	ID	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	5.33	7.16	8.34	9.42	10.17	11.03	12.46	13.75	16.19	18.06	21.87	30.63	58.00
5	7.12	9.08	11.66	13.15	14.10	15.19	17.09	18.77	21.83	24.78	29.62	41.21	73.19
10	8.27	11.70	13.83	15.55	16.64	17.83	19.97	21.83	25.22	28.68	34.26	47.55	81.80
20	9.34	13.42	15.87	17.77	18.98	20.25	22.60	24.56	28.41	32.59	38.41	53.24	82.27
25	9.48	13.59	15.90	17.82	19.22	21.00	23.24	25.48	29.08	33.31	37.68	54.95	91.50
40	9.44	13.54	15.85	18.81	20.08	21.80	23.07	27.17	31.91	36.03	42.25	58.46	96.00
50	10.68	15.58	16.43	20.56	21.93	23.26	25.84	27.97	31.74	37.10	43.44	60.08	96.06
100	11.65	17.18	20.30	22.55	24.00	25.43	28.16	30.38	34.25	40.33	47.00	64.95	104.15
200	12.60	18.74	22.13	24.55	26.14	27.54	30.40	32.70	36.63	43.43	50.42	69.61	109.89
1000	14.72	22.29	26.26	28.97	30.81	32.25	35.39	37.82	41.61	50.30	57.92	79.86	122.23
10000	17.65	27.23	31.98	35.06	37.24	38.69	42.18	44.74	48.78	55.58	67.00	93.56	136.25
PMP	34.71	51.52	62.70	76.56	74.74	79.56	86.86	96.99	111.89	129.52	151.12	207.11	317.29

NEAN	5.677	7.772	9.035	10.146	10.934	11.770	13.204	14.476	16.821	19.033	22.863	31.987	59.141
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.936	1.607	1.500	1.765	1.989	2.004	1.677	1.502	.879	.812	1.109	.705	.569
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400

KURTOSIS	8.176	5.129	5.688	6.597	7.085	7.249	5.593	4.927	3.956	3.909	4.252	2.957	3.615
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1965	1965	1965	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	11.640	15.220	18.800	22.150	24.790	27.260	28.110	29.240	30.990	33.711	41.920	55.700	98.070
NORMALIZED MAX	2.740	2.611	2.785	2.806	2.884	3.025	2.797	2.716	2.419	2.448	2.334	2.348	2.509
CALC. COEF. VAR	.383	.337	.358	.422	.439	.435	.376	.324	.149	.303	.312	.262	.262
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0960	.1314	.1528	.1716	.1849	.1990	.2233	.2448	.2844	.3218	.3686	.5409	1.0000
RP10/A	.1399	.1974	.2339	.2269	.2813	.3014	.3331	.3897	.4265	.4883	.5793	.8040	1.3832
RP20/A	.1836	.2435	.2817	.3122	.3571	.3751	.4024	.4498	.5071	.5709	.6709	.9291	1.5472
RP50/A	.2355	.3235	.3517	.3716	.4056	.4393	.4649	.5367	.6274	.7345	.8745	1.0160	1.5450
RP100/A	.1970	.2905	.3433	.3818	.4059	.4200	.4761	.5137	.5791	.6819	.7948	1.0963	1.7611
RP1000/A	.2490	.3769	.4441	.4698	.5210	.5453	.5985	.6395	.7075	.8505	.9794	1.3503	2.0668
RP10000/A	.2984	.4604	.5407	.5928	.6297	.6542	.7131	.7566	.8242	1.0070	1.4190	.5820	2.3377
PMP/A	.5870	.8746	1.0063	1.1932	1.2637	1.3453	1.5059	1.6399	1.8886	2.1901	2.5552	3.5020	5.3565

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 420 9386 0 VOLLMERS 148 1360 34 36N 05W N 40.950 122.433 \*45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	ID	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	5.70	7.78	9.16	10.34	11.29	12.32	13.97	15.40	18.24	20.40	24.86	36.62	69.78
5	7.62	10.74	12.80	14.43	15.65	16.97	19.17	21.02	24.65	27.98	33.67	49.24	86.06
10	8.85	12.72	15.19	17.06	18.47	19.91	22.41	24.45	28.82	32.61	38.95	56.84	96.42
20	10.00	14.54	17.43	19.50	21.08	22.62	25.35	27.55	31.75	36.60	43.67	63.62	110.10
25	10.35	15.17	18.13	20.26	21.89	23.45	26.24	28.50	32.77	38.08	45.11	65.68	110.10
40	11.53	18.44	19.57	20.53	22.29	25.94	28.76	30.34	34.04	40.49	47.99	69.99	111.21
50	11.43	18.68	20.25	20.96	22.96	24.96	26.96	28.96	31.33	35.76	44.90	69.38	117.99
100	12.47	18.68	22.30	24.77	26.71	28.40	31.59	34.03	38.58	45.55	53.44	77.64	125.32
200	13.46	20.38	24.31	26.93	29.02	30.75	34.10	36.63	41.27	49.05	57.32	83.21	132.23
1000	15.76	24.24	28.85	31.79	34.20	36.02	39.70	42.37	47.14	56.81	65.85	95.46	147.07
10000	16.89	29.60	35.12	38.46	41.34	43.21	47.31	50.11	54.91	67.26	77.25	111.84	166.35
PMP	37.15	56.24	68.67	77.42	82.96	88.86	99.90	108.65	125.83	146.29	171.79	247.57	381.77

MEAN/A	6.075	8.451	9.924	11.132	12.137	13.144	14.811	16.216	18.951	21.497	25.990	38.235	71.159
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.235	.090	.163	.095	.326	.411	.516	.673	.211	-.031	.258	.285	.736
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.666	2.168	2.217	1.912	2.337	2.455	2.964	3.721	2.517	2.377	2.932	2.799	3.767
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1971	1974	1959	1959	1959	1959	1959	1941	1941	1941	1958	1958	1974
RECORD MAXIMUM	9.250	12.360	15.499	16.450	20.540	22.340	26.100	31.190	32.410	32.750	42.360	66.460	124.770
NORMALIZED MAX	1.820	1.560	1.959	1.622	2.331	2.336	2.389	2.884	2.145	1.717	2.129	2.212	2.581
CALC. COEF. VAR	.267	.297	.286	.295	.297	.300	.319	.320	.331	.305	.394	.334	.292
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.448	.345	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.448	.345	.291

MEAN/A	.0854	.1108	.1395	.1564	.1706	.1847	.2081	.2279	.2663	.3021	.3652	.5373	.0000
RP10/A	.1244	.1787	.2135	.2397	.2595	.2798	.3149	.3436	.3993	.4583	.5417	.7987	.1382
RP20/A	.1856	.2131	.2526	.2874	.3076	.3306	.3691	.3950	.4403	.5025	.6049	.8025	.1732
RP50/A	.1065	.1239	.1482	.1770	.1936	.2156	.2426	.2704	.3049	.3409	.4049	.5049	.6580
RP100/A	.1752	.2252	.3134	.3401	.3754	.3999	.4429	.4782	.5242	.6401	.7509	.8743	.9711
RP1000/A	.2214	.3406	.4467	.4667	.4807	.5051	.5580	.5954	.6624	.7043	.7983	.9253	.13415
RP10000/A	.2654	.4100	.4936	.5405	.5909	.6673	.6649	.7043	.7717	.9452	1.0856	1.5716	2.0377
PMP/A	.5221	.7903	.9679	1.0800	1.1050	1.2487	1.4039	1.5268	1.7683	2.0557	2.4142	3.4791	5.3650

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
430 7640 0 EAST PARK RESERVOIR 372 1205 03 17N 06W H 39.367 122+517 06

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.00	2.63	2.86	3.03	3.28	3.58	4.08	4.46	5.27	5.69	6.82	9.74	17.22
5	2.81	3.79	4.11	4.32	4.66	5.05	5.71	6.19	7.26	7.88	9.37	13.38	22.38
10	3.33	4.56	4.93	5.14	5.54	5.99	6.72	7.25	8.43	9.22	10.89	15.56	25.30
20	3.81	5.29	5.69	5.91	6.37	6.76	7.64	8.20	9.46	10.42	12.25	17.51	27.84
25	3.96	5.32	5.93	6.11	6.62	7.11	7.93	8.45	9.78	10.78	12.67	18.11	28.00
40	4.03	5.52	6.22	6.57	7.05	7.51	8.39	9.04	10.11	11.95	13.52	19.32	30.13
50	4.41	6.21	6.65	6.87	7.40	7.91	8.76	9.37	10.70	11.89	13.91	19.87	31.82
100	4.85	6.69	7.36	7.57	8.14	8.68	9.60	10.20	11.51	12.95	15.08	21.55	32.89
200	5.27	7.56	8.04	8.25	8.87	9.43	10.39	11.00	12.41	13.96	16.20	23.15	34.64
1000	6.23	9.06	9.59	9.77	10.51	11.09	12.14	12.77	14.23	16.19	18.66	26.68	39.04
10000	7.54	11.16	11.74	11.87	12.76	13.38	14.53	15.16	16.63	19.21	21.96	31.40	44.48
PMP	15.21	21.57	23.26	24.11	25.89	27.86	31.02	33.30	38.62	41.99	49.28	70.49	105.29

MEAN	2.159	2.895	3.124	3.282	3.546	3.840	4.339	4.711	5.493	6.011	7.147	10.201	17.607
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.018	.133	.073	.155	.377	.408	.761	.590	.669	.351	.823	.578	.734
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.400	.400

KURTOSIS	2.600	2.642	3.046	2.724	2.865	3.293	3.970	3.474	4.300	3.455	4.140	2.853	3.915
N	51	51	51	51	51	51	51	51	51	51	51	51	50
RECORD YEAR	1915	1971	1963	1963	1956	1915	1915	1915	1915	1915	1915	1915	1958
RECORD MAXIMUM	2,980	4,360	5,350	5,350	6,090	7,100	8,790	9,080	12,370	15,800	19,660	37,500	
NORMALIZED MAX	1,261	1,745	2,313	1,952	2,164	2,569	2,901	2,700	3,331	3,493	3,111	2,246	3,115
CALC. COEF. VAR	.301	.420	.308	.324	.332	.331	.384	.324	.357	.358	.398	.413	.353
REGN. COEF. VAR	.403	.430	.400	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1226	.1644	.1775	.1864	.2014	.2181	.2464	.2576	.3120	.3414	.4059	.5794	1.0000
RPI10/A	.1889	.2591	.2794	.2922	.3148	.3400	.3817	.4121	.4786	.5225	.6825	.8747	1.4371
RPI20/A	.2274	.3475	.3618	.3742	.3974	.4252	.4625	.4922	.5709	.6183	.7083	.8743	
RPI50/A	.3504	.5229	.5779	.5902	.6200	.6493	.6988	.5321	.6079	.6756	.7898	1.1288	.1758
RPI100/A	.7525	.9314	.4178	.4298	.6629	.4930	.5452	.5793	.6576	.7353	.8563	1.2239	.18683
RPI1000/A	.3536	.5147	.5449	.5549	.5967	.6302	.6989	.7252	.8081	.9196	1.0600	.15154	2.2171
RPI10000/A	.4283	.6338	.6668	.6741	.7245	.7596	.8252	.8608	.9451	.10999	1.2472	.17833	2.5262
PMP/A	.8640	1.2248	1.3221	1.3692	1.4702	1.5822	1.7619	1.8850	2.1934	2.3849	2.7987	4.0035	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
430 3791 0 MARRISON GULCH 2710 14 29N 10W H 40.367 122.987 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.11	4.05	4.70	5.25	5.71	6.16	7.12	7.81	9.28	10.26	12.67	18.38	35.75
5	4.30	5.03	6.87	7.47	8.11	8.70	9.97	10.84	12.77	14.20	17.40	25.25	46.46
10	5.17	7.01	8.23	8.91	9.65	10.30	11.74	13.35	14.36	16.64	18.77	29.37	52.54
20	5.92	8.14	9.51	10.24	11.09	11.78	13.35	14.36	16.64	18.77	23.54	33.66	57.80
40	6.45	9.11	9.74	10.60	11.53	12.24	13.14	14.16	15.70	17.00	20.80	26.46	45.18
50	6.85	9.56	11.12	11.90	12.88	13.62	15.34	16.41	18.83	21.43	25.83	37.52	64.00
100	7.53	10.60	12.29	13.10	14.18	14.94	16.76	17.86	20.37	23.32	28.01	40.62	66.33
200	8.19	11.62	13.44	14.28	15.45	16.23	18.14	19.26	21.83	25.14	30.09	43.71	72.35
1000	9.66	13.94	16.03	16.92	18.29	19.10	21.21	22.36	25.03	29.17	34.67	50.37	81.05
10000	11.72	17.16	19.62	20.55	22.21	23.03	25.37	26.54	29.27	34.60	40.79	59.27	92.35
PMP	23.64	33.16	38.90	41.74	45.07	47.95	54.17	56.12	67.94	75.63	91.94	133.07	218.61

MEAN	3.356	4.451	5.222	5.683	6.174	6.910	7.577	8.250	9.664	10.828	13.276	19.257	30.556
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.100	1.339	.717	.710	.881	.880	.767	.654	.720	.835	.795	.346	.482
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.400	.400

KURTOSIS	3.169	5.690	3.837	3.652	4.101	3.935	3.443	3.364	3.137	3.464	2.550	2.136	2.853
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1966	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	4,690	8,260	9,050	9,840	10,520	10,850	12,250	13,160	16,180	18,640	20,300	26,910	59,030
NORMALIZED MAX	1,410	2,588	2,404	2,469	2,473	2,217	2,227	2,258	2,276	2,470	1,944	1,221	2,241
CALC. COEF. VAR	.282	.331	.305	.294	.285	.277	.265	.296	.292	.309	.283	.281	.268
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0918	.1218	.1426	.1555	.1589	.1808	.2073	.2257	.2643	.2962	.3632	.5268	1.0000
RPI10/A	.1414	.1919	.2435	.2436	.2620	.2819	.3210	.3724	.4255	.4844	.5534	.6016	1.4371
RPI20/A	.1868	.2322	.2711	.2931	.3159	.3408	.4059	.4704	.5248	.5848	.6438	.6930	1.2423
RPI50/A	.1874	.2844	.3042	.3554	.3923	.3725	.4195	.4468	.5151	.5661	.6067	.6707	1.7504
RPI100/A	.2080	.2899	.3363	.3584	.3879	.4087	.4586	.4886	.5571	.6379	.7662	1.1120	1.8683
RPI1000/A	.2647	.3812	.4386	.4628	.5004	.5224	.5802	.6117	.6647	.7978	.9484	1.3778	2.2171
RPI10000/A	.3206	.4694	.5367	.5621	.6076	.6299	.6941	.7260	.8007	.9464	1.1159	1.6214	2.5262
PMP/A	.6467	.9071	.1,042	.1,1418	1,2333	1,3117	1,4819	1,5899	1,8584	2,0590	2,5040	3,6401	5,9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 519 3020 08 16N 07W M M 39°25' 122°48' 06

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.95	6.76	8.00	8.73	9.43	10.22	11.64	12.94	14.58	16.20	20.18	29.72	54.87
5	6.93	9.73	11.48	12.43	13.39	14.43	16.30	17.96	20.20	22.42	27.71	40.84	71.32
10	8.21	11.71	13.76	14.81	15.94	17.10	19.19	21.02	23.45	26.22	32.22	47.50	80.64
20	9.40	13.58	15.90	17.02	18.31	19.55	21.83	24.79	26.33	29.65	36.26	53.46	88.72
25	9.77	14.17	16.50	17.73	19.05	20.31	22.64	24.84	27.20	30.70	37.49	55.27	91.14
50	9.95	15.20	17.90	18.03	19.54	21.87	24.31	26.97	28.97	32.64	39.57	59.77	96.11
100	10.88	15.96	18.58	19.29	21.27	22.59	25.17	27.17	29.34	32.84	41.15	60.87	99.23
1000	11.96	17.70	20.55	21.79	23.42	24.79	27.41	29.58	32.22	36.83	44.61	65.79	104.83
10000	13.01	19.40	22.47	23.75	25.51	26.92	29.67	31.90	34.54	39.70	47.93	70.69	111.04
PMP	15.37	23.27	26.80	26.14	30.22	31.69	34.64	37.05	39.60	46.06	55.22	81.45	124.40
	18.62	28.65	32.79	34.18	38.69	38.21	41.49	43.96	46.31	54.63	64.97	95.85	141.74
	37.56	55.37	65.02	69.42	74.45	79.56	88.59	95.26	107.47	119.44	145.80	215.19	335.53

MEAN	5.331	7.433	8.728	9.451	10.198	10.967	12.391	13.884	15.287	17.100	21.145	31.142	56.109
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.981	1.491	1.379	1.338	1.330	1.245	1.259	1.026	.080	.127	.802	.229	.439
REGIONAL SKEW	1.100	1.300	1.200	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.700	.400

KURTOSIS	3.395	5.581	5.572	5.402	5.269	5.018	5.930	5.171	2.800	2.917	4.347	2.558	2.103
N	36	36	36	36	36	36	36	36	36	35	36	36	36

RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	9,300	17,630	20,390	22,990	24,650	26,050	30,460	32,120	30,430	45,230	53,460	98,760	
NORMALIZED MAX	1,774	3,011	3,148	3,217	3,123	3,052	3,282	3,183	2,174	2,208	3,044	1,959	2,233
CALC. COEF. VAR	.420	.456	.424	.445	.454	.451	.398	.386	.356	.353	.374	.367	.325
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0959	.1325	.1556	.1684	.1818	.1955	.2268	.2435	.2725	.3048	.3769	.5550	1.0000
BPM/A	.1464	.2087	.2452	.2640	.2841	.3047	.3421	.3747	.4180	.4673	.5743	.8465	1.4371
RPM/A	.1741	.2524	.2952	.3150	.3395	.3619	.4044	.4393	.4844	.5371	.6781	.9860	1.6243
RPM2/A	.1940	.2854	.3144	.3266	.3426	.3700	.4170	.4539	.5009	.5830	.7333	1.8813	2.5050
RPM3/A	.2132	.3154	.3685	.3884	.4174	.4418	.4868	.5273	.5752	.6583	.8750	1.7255	2.0883
RPM100/A	.2140	.3147	.3776	.3014	.5385	.5648	.6181	.6601	.7057	.8209	.9841	1.4517	2.2171
RPM1000/A	.3318	.5107	.5845	.6091	.6539	.6810	.7395	.7834	.8253	.9737	1.1580	1.7083	2.5262
PMP/A	.6694	.9889	1,1589	1,2372	1,3269	1,4180	1,5789	1,7157	1,9154	2,1288	2,5984	3,8352	5,9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
A30 6587 0 STONY GORGE RESERVOIR 770 16 20N 06W M 39.583 122.533 11

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.94	2.60	2.87	3.09	3.36	3.80	4.09	4.48	5.29	5.83	7.06	10.45	18.81
5	2.72	3.74	4.12	4.39	4.77	5.08	5.72	6.22	7.28	8.06	9.79	14.35	24.45
10	3.23	4.50	4.94	5.23	5.68	6.02	6.74	7.28	8.45	9.43	11.27	16.69	27.64
20	3.89	5.22	5.70	6.02	6.52	6.88	7.66	8.24	9.49	10.85	12.69	18.79	30.41
50	3.84	5.44	5.94	6.28	6.79	7.15	7.95	8.53	9.81	11.04	13.04	19.43	31.24
100	3.91	5.91	6.44	6.86	7.30	7.70	8.53	9.13	10.44	11.81	13.95	20.72	32.91
200	4.28	6.13	6.80	6.99	7.35	7.96	8.76	9.41	10.74	12.17	14.80	21.32	33.87
1000	4.70	6.89	7.37	7.70	8.34	8.83	9.62	10.34	11.61	13.24	16.01	23.23	36.96
10000	5.11	7.45	8.06	8.39	9.09	9.48	10.41	11.45	12.67	14.27	16.77	24.84	36.07
PMP	6.04	8.93	9.62	9.94	10.77	11.18	12.17	12.82	14.27	15.86	19.32	26.63	42.84
	7.31	11.00	11.77	12.08	13.07	13.45	14.57	15.22	16.69	19.65	22.73	33.69	46.59
	14.75	21.26	23.33	24.53	26.53	28.02	31.10	33.32	36.74	42.95	51.01	75.83	115.02

MEAN	2.994	2.854	3.132	3.340	3.634	3.862	4.349	4.730	5.511	6.149	1.398	10.495	19.234
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.168	.001	.250	.231	.352	.389	.937	.915	.601	.522	.191	.1315	.1508
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.700	.400

KURTOSIS	2.957	2.235	2.676	2.659	3.000	3.196	5.142	5.050	4.363	3.642	5.871	5.732	6.740
N	45	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1959	1958	1932	1941	1941	1941	1941	1941	1941	1941	1958	1941	1941
RECORD MAXIMUM	2,970	3,960	5,000	5,450	6,130	6,570	8,900	9,940	11,110	11,590	16,510	25,220	45,330
NORMALIZED MAX	1,559	1,353	1,942	2,030	2,385	2,466	3,345	3,384	3,133	2,642	3,314	3,415	3,876
CALC. COEF. VAR	.268	.287	.307	.311	.286	.291	.312	.325	.324	.335	.372	.362	.369
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1089	.1484	.1628	.1736	.1889	.2008	.2281	.2459	.2865	.3197	.3847	.5690	1.0000
BPM/A	.1677	.2388	.2507	.2721	.2953	.3130	.3503	.3784	.4395	.4902	.5862	.8679	1.4371
RP25/A	.1995	.2829	.3070	.3254	.3529	.3718	.4133	.4435	.5059	.5739	.6984	1.0099	1.5243
RP25/A	.2243	.3523	.3503	.4004	.4239	.4538	.5003	.5325	.6038	.6865	.8115	1.2021	1.6683
RP100/A	.2243	.3523	.3503	.4004	.4239	.4538	.5003	.5325	.6038	.6865	.8115	1.2021	1.6683
RP1000/A	.3140	.4645	.4999	.5169	.5599	.5801	.6330	.6686	.7402	.8161	.9811	1.0045	1.4883
RP1000/A	.3803	.5719	.6118	.6279	.6797	.6995	.7573	.7912	.8678	.9124	.9811	1.0045	1.4883
PMP/A	.7671	1.1053	1.2130	1.2754	1.3792	1.4567	1.6168	1.7326	2.0141	2.2331	2.6522	3.9320	5.9900

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
440 1624 0 STATION NAME CENTERVILLE PM ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
23 520 05 22N 03E M 39.783 121.667 04

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.61	5.02	5.68	6.21	6.81	7.38	8.30	9.14	10.84	11.98	14.49	21.19	41.21
5	4.83	6.93	7.94	8.66	9.44	10.17	11.39	12.48	14.64	16.32	19.62	28.51	52.01
10	5.61	8.21	9.42	10.24	11.14	11.93	13.32	14.51	16.85	18.37	22.45	32.88	63.43
20	6.34	9.64	10.81	11.71	12.72	13.36	15.03	16.25	18.47	20.10	22.28	34.01	65.02
25	6.65	9.79	11.21	12.17	13.21	14.05	15.61	16.35	18.67	21.37	25.45	36.02	63.43
40	6.67	10.57	12.13	12.39	13.45	15.08	16.71	18.07	20.69	23.60	27.99	40.45	68.22
50	7.24	10.94	12.55	13.54	14.68	15.56	17.22	18.60	21.25	24.29	28.78	41.57	69.67
100	7.90	12.05	13.82	14.88	16.11	17.01	18.77	20.27	22.92	26.38	31.14	44.93	74.00
200	8.54	13.15	15.07	16.17	17.51	18.42	20.27	21.74	24.52	28.39	33.40	48.16	78.08
1000	9.99	15.64	17.88	19.09	20.63	21.56	23.60	25.15	28.01	32.83	38.37	55.26	86.85
10000	11.97	19.19	21.77	23.10	24.94	25.89	28.12	29.95	32.93	35.94	45.02	69.22	92.23
PMP	23.54	36.29	42.10	46.67	50.05	53.23	59.37	64.49	74.76	84.08	100.11	143.28	225.45

MEAN	3.850	5.453	6.152	6.684	7.322	7.875	8.802	9.625	11.259	12.605	15.145	22.128	42.022
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.098	2.078	1.916	1.610	1.110	.853	.417	.201	.093	.100	.323	.567	.496
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	4.915	11.634	10.899	9.224	6.612	4.893	2.770	2.484	2.462	2.623	3.003	2.861	2.788
N	56	56	56	56	56	56	56	56	56	56	56	56	56
RECORD MAXIMUM	1963	1963	1963	1963	1963	1963	1963	1963	1963	1965	1956	1941	1941
RECORDED MAX	7.13	13.15	15.12	16.00	16.00	16.00	16.00	16.00	16.00	21.00	26.00	40.00	70.70
NORMALIZED MAX	2.630	4.015	4.456	4.352	3.808	3.525	2.670	2.445	2.186	2.637	2.534	2.384	
CALC. COEF. VAR	.326	.327	.329	.330	.334	.337	.334	.327	.323	.312	.303	.326	.287
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.389	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	1.016	1.298	1.140	1.150	1.174	1.187	1.205	1.229	1.267	1.300	1.360	1.5266	1.0000
RP10/A	1.335	1.953	2.241	2.438	2.451	2.898	3.169	3.354	4.018	4.415	5.541	7.828	1.832
RP25/A	1.562	2.329	2.674	2.895	3.143	3.374	3.714	4.025	4.633	5.260	6.255	9.046	1.8472
RP50/A	1.724	2.602	2.987	3.223	3.494	3.703	4.099	4.425	5.056	5.781	6.648	9.892	1.6580
RP100/A	1.881	2.869	3.209	3.540	3.834	4.049	4.467	4.807	5.455	6.277	7.410	1.0693	1.7611
RP1000/A	2.371	3.722	4.256	4.522	4.910	5.135	5.615	5.985	6.665	7.812	9.131	1.3147	2.0668
RP10000/A	2.849	4.546	5.182	5.496	5.934	6.161	6.691	7.074	7.764	9.237	1.0713	1.5402	2.3377
PMP/A	5.603	8.636	1.0160	1.063	1.1909	1.2686	1.4128	1.5346	1.7791	2.0008	2.3823	3.0496	5.3650

STATION NO.  
85N ORDER SUB  
440 2402 0 STATION NAME OE SABLA ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
41 2700 11 23N 03E M 39.867 121.617 04

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.04	6.91	8.10	9.01	9.86	10.76	12.42	13.62	16.29	18.11	21.77	32.08	61.49
5	6.73	9.53	11.33	12.32	13.68	14.82	17.05	18.59	22.01	24.66	29.48	43.15	71.59
10	7.82	11.25	13.34	14.41	15.16	17.39	19.42	21.62	25.71	28.69	34.11	49.72	
20	8.64	12.94	15.42	16.99	18.74	20.54	22.86	25.35	32.11	36.24	52.72	94.64	
40	9.15	13.46	16.45	19.15	20.49	23.35	25.20	29.26	33.42	39.50	57.53	97.01	
50	9.30	14.54	17.32	17.97	19.47	22.00	25.00	26.91	31.05	35.69	42.06	61.21	101.78
100	10.10	15.04	17.91	19.65	21.27	22.69	25.77	27.70	31.93	36.73	43.25	62.91	103.96
200	11.91	18.09	21.51	23.44	25.35	26.87	30.32	32.39	36.85	42.93	50.19	72.89	116.50
1000	13.92	21.51	25.52	27.69	29.88	31.47	35.30	37.46	42.09	49.64	57.66	83.61	129.59
10000	16.69	26.28	31.08	33.51	36.12	37.75	42.06	44.31	49.03	56.70	67.85	97.98	146.57
PMP	32.83	49.92	60.94	67.44	72.48	77.55	88.81	90.96	112.30	127.14	150.44	219.86	336.38

MEAN	5.369	7.501	8.781	9.697	10.604	11.484	13.167	14.338	16.921	19.001	22.760	33.491	62.699
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.410	1.713	1.318	1.088	.877	.714	.340	.266	.135	.390	.430	.415	.294
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	6.466	8.098	6.507	5.393	4.398	3.757	2.462	2.312	2.221	3.345	2.849	2.366	2.344
N	69	69	69	69	69	69	69	69	69	69	69	69	69
RECORD MAXIMUM	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORDED MAX	11.270	18.075	21.626	23.000	23.000	23.000	23.000	23.000	23.000	23.000	23.000	23.000	101.270
NORMALIZED MAX	3.263	3.889	3.999	3.663	3.388	2.989	2.305	2.133	1.932	2.918	2.510	2.219	2.032
CALC. COEF. VAR	.352	.386	.376	.376	.366	.358	.359	.355	.354	.349	.352	.360	.303
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.0856	.1198	.1400	.1547	.1691	.1832	.2100	.2287	.2699	.3040	.3630	.5342	1.0000
RP10/A	.1248	.1800	.2144	.2370	.2574	.2774	.3177	.3448	.4047	.4576	.5440	.7940	1.3832
RP25/A	.1459	.2147	.2548	.2815	.3050	.3268	.3724	.4019	.4666	.5330	.6300	.9176	1.5472
RP50/A	.1611	.2347	.2399	.2857	.3134	.3392	.3619	.4109	.4418	.5093	.5859	.6897	1.0034
RP100/A	.1758	.2645	.3147	.3462	.3722	.3957	.4479	.4799	.5495	.6362	.7403	.1.0847	1.7611
RP1000/A	.2221	.3431	.4071	.4416	.4766	.5019	.5630	.6713	.7917	.9171	.1.07</td		

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 2650 33 33N 01E D M 41.600 121.872 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.83	3.73	4.36	4.77	5.14	5.56	6.45	7.21	8.71	9.57	11.95	18.24	42.76
5	3.78	5.14	6.10	6.66	7.13	7.69	8.86	9.84	11.76	13.04	16.19	24.53	53.96
10	4.39	6.09	7.04	7.87	8.44	9.02	10.35	11.44	13.89	15.07	18.04	26.34	60.31
20	4.98	6.98	8.31	9.20	9.94	10.64	11.79	12.89	15.15	17.07	21.00	31.88	68.82
25	5.14	7.26	8.64	9.35	9.98	10.62	12.13	13.34	15.64	17.65	21.09	32.71	74.47
40	5.22	7.84	9.33	9.52	10.16	11.40	12.99	14.25	16.62	18.65	21.00	34.80	70.78
50	5.67	8.12	9.65	10.41	11.09	11.76	13.39	14.67	17.07	19.40	23.74	35.76	72.30
100	6.19	8.95	10.63	11.43	12.17	12.86	14.59	15.93	18.41	21.07	25.69	38.66	76.79
200	6.69	9.76	11.58	12.43	13.22	13.93	15.76	17.14	19.65	22.67	27.56	41.44	81.02
1000	7.82	11.61	13.45	14.77	16.31	16.31	18.48	20.25	22.49	25.02	31.64	47.59	97.12
10000	9.13	14.18	16.74	17.75	18.84	19.87	21.36	23.46	26.20	31.00	37.14	55.39	107.93
PMP	18.43	26.94	32.82	36.73	37.80	40.25	46.15	50.85	60.05	67.15	82.00	123.28	233.94

MEAN	3.014	4.067	4.729	5.137	5.531	5.953	6.842	7.590	9.043	10.068	12.496	19.040	43.605
CLOCK HR. COR.	1.140	1.070	1.049	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.369	1.977	1.849	1.860	1.732	1.376	.739	.450	.402	.380	.115	.859	.217
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	

KURTOSIS	5.751	8.522	7.181	7.701	7.060	6.206	4.111	3.358	3.638	3.310	2.515	4.180	2.274
N	53	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1935	1936	1963	1963	1963	1963	1963	1963	1963	1970	1970	1974	1974
RECORD MAXIMUM	5.950	9.000	10.000	12.600	13.200	13.200	13.200	13.200	13.200	17.800	19.100	35.000	66.000
NORMALIZED MAX	2.729	3.618	3.385	3.678	4.010	3.758	3.258	2.860	2.601	1.988	2.990	1.981	
CALC. COEF. VAR	.357	.400	.380	.376	.360	.338	.309	.304	.293	.268	.269	.291	.268
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.0891	.0928	.1084	.1177	.1268	.1365	.1569	.1741	.2074	.2309	.2866	.4366	1.0000
RP10/A	.1007	.1397	.1660	.1805	.1930	.2088	.2374	.2425	.3110	.3475	.4294	.6491	1.982
RP25/A	.1178	.1666	.1981	.2144	.2288	.2436	.2762	.3059	.3568	.4048	.4974	.7501	1.5472
RP50/A	.1300	.1861	.2212	.2387	.2544	.2698	.3071	.3303	.3914	.4450	.5445	.8202	1.6580
RP100/A	.1419	.2052	.2437	.2522	.2791	.2950	.3347	.3653	.4222	.4832	.5892	.8866	1.7611
RP1000/A	.1793	.2662	.3152	.3364	.3574	.3741	.4206	.4548	.5158	.6013	.7260	1.0901	2.0666
RP10000/A	.2149	.3252	.3838	.4071	.4320	.4488	.5012	.5386	.6010	.7110	.8518	1.2772	2.3377
RPMP/A	.4226	.6177	.7528	.8194	.8669	.9230	.1.0584	.1.1663	.1.3771	.1.5400	.1.6943	.2.8272	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 5850 18 31N 04E M 40.533 121.567 45

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.04	4.11	4.80	5.34	5.80	6.23	7.12	7.81	9.22	10.19	12.30	16.16	41.88
5	4.07	5.68	6.71	7.44	8.05	8.56	10.68	12.45	14.63	16.66	24.43	52.85	
10	4.73	6.72	7.97	8.74	9.41	10.08	11.43	12.44	14.16	16.18	24.73	58.90	
20	5.34	7.71	9.40	10.66	10.84	11.37	13.70	15.90	18.04	19.51	31.55	64.46	
25	5.53	8.02	9.50	10.46	11.25	11.96	13.39	14.46	16.55	18.80	21.52	32.57	66.07
40	5.62	8.66	10.25	10.85	11.66	12.73	14.34	15.44	17.59	20.08	23.77	34.66	69.32
50	6.10	8.96	10.61	11.61	12.51	13.13	14.78	15.90	18.07	20.67	24.43	35.62	70.80
100	6.66	9.88	11.69	12.78	13.73	14.36	16.11	17.28	19.49	22.44	26.44	38.50	75.20
200	7.20	10.77	12.75	13.90	14.92	15.55	17.39	18.58	20.85	24.15	28.38	41.27	79.35
1000	8.43	12.61	15.12	16.40	17.58	18.20	20.24	21.50	23.81	27.93	32.45	47.81	86.28
10000	10.68	15.95	18.42	19.85	21.25	21.88	24.12	25.43	27.74	33.02	38.22	55.46	99.83
PMP	19.63	29.73	36.11	39.96	42.65	44.92	50.94	55.12	63.57	71.52	85.00	122.77	229.10

MEAN	3.242	4.467	5.203	5.745	6.240	6.644	7.552	8.227	9.573	10.723	12.860	18.961	42.703
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.205	1.195	1.023	1.108	1.242	1.092	.837	.810	.801	.525	.634	-0.694	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	

KURTOSIS	4.308	4.171	3.793	3.990	4.324	3.706	3.112	2.684	2.724	3.021	2.645	2.712	2.055
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1953	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1970	1975
RECORD MAXIMUM	5.979	8.030	10.140	12.571	13.700	14.000	15.820	17.200	21.298	21.958	23.500	31.000	61.745
CALC. COEF. VAR	2.084	2.284	2.371	2.714	2.408	2.129	2.691	2.009	2.298	1.958	2.161	1.745	
REGN. COEF. VAR	.409	.436	.448	.449	.453	.458	.3772	.397	.384	.354	.332	.254	
USED COEF. VAR	.341	.377	.396	.397	.399	.364	.383	.360	.376	.378	.374	.365	.291

MEAN/A	.0759	.1046	.1218	.1345	.1461	.1556	.1769	.1927	.2242	.2511	.3011	.4440	1.0000
RP10/A	.1106	.1574	.1865	.2022	.2237	.2357	.2675	.2965	.3362	.3780	.4513	.6601	1.3832
RP25/A	.1294	.1878	.2226	.2449	.2635	.2776	.3136	.3386	.3876	.4403	.5226	.7628	1.5472
RP50/A	.1429	.2098	.2486	.2726	.2930	.3075	.3461	.3722	.4231	.4639	.5722	.8341	1.6580
RP100/A	.1558	.2313	.2738	.2994	.3216	.3362	.3772	.4043	.4556	.5255	.6192	.9016	1.7611
RP1000/A	.1969	.3001	.3542	.3841	.4118	.4263	.4741	.5034	.5576	.6540	.7629	1.1085	2.0688
RP10000/A	.2391	.3665	.4233	.4649	.5115	.5455	.6145	.6876	.7733	.8311	.9129	1.2337	
RPMP/A	.4683	.6902	.8458	.9357	.9608	1.0518	1.2908	1.4866	1.6749	1.9900	2.0751	3.0500	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. 8SN ORDER SUB A40 5679 0		STATION NAME MINERAL		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE	
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.44	5.96	6.99	7.64	8.41	9.05	10.23	11.11	13.12	14.40	17.20	24.92	51.53	
5	5.93	8.23	9.77	10.67	11.66	12.47	14.04	15.17	17.73	19.63	23.28	33.53	65.03	
10	6.89	9.75	11.59	12.61	13.78	14.63	16.41	17.64	20.44	22.81	26.93	38.68	72.68	
20	7.78	11.18	13.83	14.24	15.70	16.62	18.57	19.86	22.84	25.65	30.29	43.30	79.32	
25	8.05	11.31	13.89	14.98	15.83	16.60	18.50	20.89	21.96	25.05	28.30	31.9	44.88	
40	8.19	12.55	13.93	15.26	16.60	17.82	19.50	21.22	22.60	25.73	29.21	34.15	47.58	
50	8.89	12.99	15.45	16.68	18.13	19.0	21.22	22.60	25.73	29.21	34.15	48.88	87.13	
100	9.70	14.32	17.02	18.32	19.90	20.87	23.13	24.55	27.75	31.72	36.95	52.84	92.54	
200	10.49	15.62	18.55	19.91	21.61	22.60	24.98	26.62	29.69	34.14	39.61	56.63	97.64	
1000	12.26	18.58	22.01	23.50	25.46	26.46	29.08	30.57	33.91	39.48	45.54	64.97	108.61	
10000	14.69	22.69	26.86	28.44	30.79	31.75	34.65	36.15	39.56	46.68	53.43	76.11	122.84	
PMP	28.90	43.10	52.55	57.24	61.79	65.29	73.16	76.38	90.52	101.10	118.81	168.49	281.92	

MEAN		6.476	6.477	7.572	8.231	9.041	9.658	10.846	11.699	13.632	15.157	17.974	26.022	52.548
CLOCK MR.	COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW		1,337	2,111	1,794	1,579	1,485	1,324	951	854	590	623	551	410	+ .435
REGIONAL SKEW		1,100	1,300	1,200	1,100	1,100	1,000	900	800	600	800	700	700	.400
SKEW USED		1,100	1,300	1,200	1,100	1,100	1,000	900	800	600	800	700	700	.400
KURTOSIS	N	5.897	9.212	7.480	6.352	5.900	5.189	4.091	3.688	2.821	3.339	3.524	2.859	2.839
RECORD YEAR	N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD MAXIMUM	10,600	18,850	21,810	22,870	23,930	24,010	24,110	25,450	25,860	26,010	37,030	48,800	93,570	1974
NORMALIZED MAX	2,940	3,793	3,462	3,650	3,536	3,486	2,885	2,486	2,251	2,554	2,894	2,494	2,586	
CALC. COEF. VAR	.423	.464	.499	.487	.497	.508	.424	.414	.395	.379	.375	.361	.362	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.371	
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.371	

MEAN/A		.0899	.1233	.1441	.1566	.1720	.1838	.2064	.2226	.2594	.2864	.3421	.4952	1.0000
RP10/A	1,311	1,855	2,268	2,400	2,610	2,814	3,123	3,390	3,790	4,321	5,168	7,361	1,382	
RP25/A	1,345	2,212	2,632	2,832	3,089	3,327	3,630	3,930	4,392	4,846	5,566	7,361	1,382	
RP50/A	1,392	2,422	2,940	3,174	3,450	3,632	4,039	4,301	4,894	5,559	6,499	9,130	1,6580	
RP100/A	1,846	2,725	3,238	3,486	3,780	3,971	4,402	4,672	5,282	6,037	7,033	1,0056	1,7611	
RP1000/A	2,333	3,353	4,168	4,472	4,848	5,036	5,533	5,817	6,453	7,512	8,666	12,363	2,0668	
RP10000/A	2,796	4,318	5,100	5,512	5,860	6,042	6,593	6,880	7,517	8,883	1,0167	1,4485	2,3377	
PMP/A	5,499	8,202	10,000	1,0893	1,1759	1,2425	1,3922	1,4916	1,7225	1,9239	2,610	3,2064	5,3650	

STATION NO. 8SN ORDER SUB A40 9390 0		STATION NAME VOLTA POWER HOUSE		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE	
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS		10	20	30	40	50	60	80	100	150	200	300	600	3650
CLOCK MR.	COR.	1,311	1,855	2,268	2,400	2,610	2,814	3,123	3,390	3,790	4,321	5,168	7,361	1,382
RECORD MAXIMUM	3,700	5,180	6,180	6,680	6,880	7,280	9,080	9,840	12,700	13,620	16,080	25,900	55,530	
NORMALIZED MAX	1,114	1,607	1,924	2,156	2,206	2,241	2,330	2,194	2,468	2,142	1,747	1,989	2,249	
CALC. COEF. VAR	.305	.290	.293	.268	.250	.229	.257	.254	.279	.275	.267	.306	.279	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.391	
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.391	

KURTOSIS		2,935	2,554	2,937	3,643	3,397	3,413	3,418	3,159	3,933	2,742	2,468	2,823	3,045
CLOCK MR.	COR.	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1970	1970	1970	1970	1970	1970	1970	1970	1969	1970	1956	1956	1946	
RECORD MAXIMUM	3,700	5,180	6,180	6,680	6,880	7,280	9,080	9,840	12,700	13,620	16,080	25,900	55,530	
NORMALIZED MAX	1,114	1,607	1,924	2,156	2,206	2,241	2,330	2,194	2,468	2,142	1,747	1,989	2,249	
CALC. COEF. VAR	.305	.290	.293	.268	.250	.229	.257	.254	.279	.275	.267	.306	.279	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.391	
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.391	

PEARSON TYPE III DISTRIBUTION USED		10	20	30	40	50	60	80	100	150	200	300	600	3650
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS	WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000	
CLOCK MR.	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		
RECORD MAXIMUM	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		
NORMALIZED MAX	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		
CALC. COEF. VAR	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		
REGN. COEF. VAR	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		
USED COEF. VAR	1,043	1,167	1,250	1,308	1,421	1,676	1,866	2,221	2,530	3,233	4,744	1,0000		

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
A50 1130 0	BRUSH CREEK	407	3560	07	21N	06E	M	39°49.61	121°33.88	CODE 04

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS M= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.08	7.94	9.43	10.72	11.81	12.70	14.38	15.94	19.12	21.16	24.32	37.46	71.22
5	8.13	10.96	13.15	15.65	17.69	19.21	20.52	21.07	21.76	25.25	26.84	33.75	58.99
10	9.44	12.71	15.65	17.69	19.21	20.52	21.07	21.76	23.78	33.53	34.84	50.15	100.45
20	10.66	14.88	17.95	20.22	22.05	23.31	26.10	28.51	33.28	39.06	45.21	67.19	112.37
40	11.23	16.71	20.15	21.40	23.31	25.95	28.95	31.50	36.49	41.71	48.14	71.49	117.90
50	12.19	17.29	20.85	23.39	24.18	27.04	29.49	34.34	39.06	42.93	49.50	73.48	120.42
100	13.30	19.05	22.97	25.69	27.93	29.27	32.52	35.22	40.44	46.62	53.56	79.43	127.90
200	14.80	20.49	25.46	28.23	30.35	31.70	33.71	37.42	42.87	48.45	56.17	81.87	134.95
1000	18.21	20.73	22.71	32.96	46.46	48.70	51.85	56.57	60.60	68.01	74.00	97.13	150.11
10000	20.15	30.20	37.15	39.89	43.23	44.54	48.70	51.85	57.56	60.60	77.43	114.41	160.78
PMP	39.62	57.38	70.93	80.29	86.76	91.59	102.85	112.44	131.88	148.58	172.19	255.27	389.64

MEAN	6,480	8,621	10,220	11,544	12,693	13,549	15,246	16,782	19,862	22,274	26,049	39,115	72,626
CLOCK HR.	1,140	1,670	1,940	2,020	2,090	2,100	2,100	2,100	2,000	1,900	1,900	1,900	1,000
CALCULATED SKEW	.610	1.178	1.249	1.099	.760	.776	.776	.776	.635	.292	.122	.072	.035
REGIONAL SKEW	1.100	1.308	1.500	1.100	1.100	1.000	1.000	1.000	.800	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400

KURTOSIS	3.140	5.601	6.462	5.563	4.067	3.498	2.736	2.459	2.374	3.455	2.974	2.531	2.197
N	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	11,400	18,750	23,700	25,990	26,010	26,040	26,172	26,172	30,040	43,080	46,020	63,100	108,410
NORMALIZED MAX	1,998	3,021	3,328	3,264	2,777	2,463	1,966	1,974	1,947	2,678	2,333	1,854	1,812
CALC. COEF. VAR	.380	.389	.396	.383	.378	.373	.360	.360	.341	.349	.329	.331	.272
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.0892	.1187	.1407	.1589	.1748	.1866	.2099	.2311	.2735	.3057	.3587	.5386	1.0000
RP10/A	.1300	.1786	.2154	.2436	.2659	.2826	.3176	.3484	.4101	.4617	.5375	.8006	1.3932
RP25/A	.1521	.2131	.2571	.2893	.3152	.3329	.3723	.4061	.4729	.5378	.6225	.9252	1.5472
RP50/A	.1679	.2386	.2971	.3220	.3565	.3687	.4108	.4465	.5161	.5911	.6815	1.0117	1.6550
RP100/A	.1931	.2624	.3162	.3537	.3846	.4031	.4477	.4849	.5568	.6419	.7374	1.0396	1.7611
RP1000/A	.2314	.3405	.4040	.4582	.5025	.5112	.5628	.6038	.6862	.7988	.8747	1.3446	2.0668
RP10000/A	.2747	.4749	.5981	.5492	.5953	.6133	.6705	.7141	.7745	.8445	.9051	1.1523	2.3377
PMP/A	.5456	.7900	.9760	1.0555	1.1900	1.2011	1.4101	1.5402	1.8159	2.0450	2.3708	3.4873	5.3550

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
A50 1159 0	BUCKS CREEK PM	14	1760	29	24N	06E	R	39°49.91	121°32.71	CODE 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS M= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.05	7.19	8.64	9.72	10.58	11.56	12.95	14.45	17.03	18.68	22.19	33.21	64.89
5	6.77	9.62	12.47	13.57	14.77	17.30	18.59	20.22	22.93	25.45	30.32	44.86	81.69
10	7.88	11.75	14.33	16.14	17.30	18.59	20.22	22.93	25.45	29.59	34.55	55.55	99.88
20	8.88	13.47	16.44	18.34	21.23	23.57	25.84	29.64	33.32	39.32	57.70	99.88	
40	9.19	14.01	17.10	19.05	20.51	22.02	24.41	26.73	30.59	34.47	40.62	59.57	102.38
50	9.35	15.13	18.40	19.40	20.88	23.63	26.14	28.55	32.50	36.90	43.25	63.38	107.42
100	11.07	17.25	21.03	23.30	25.03	26.66	29.36	31.92	36.02	41.14	48.12	70.42	116.53
200	11.77	18.83	22.25	25.39	27.19	28.87	31.70	34.38	38.52	44.27	51.16	75.16	122.96
1000	13.92	22.49	27.42	30.89	33.47	36.74	39.91	43.45	51.19	59.29	68.50	98.77	
10000	16.77	27.34	33.13	36.17	36.93	40.57	45.98	47.01	51.26	60.53	65.64	101.43	154.69
PMP	32.99	51.94	64.95	72.81	77.73	83.42	92.87	101.92	117.46	131.11	154.69	224.54	355.01

MEAN/A	5,395	7,805	9,359	10,469	11,373	12,340	13,769	15,212	17,690	19,657	23,043	34,578	66,172
CLOCK HR.	1,140	1,670	1,940	2,020	2,090	2,100	2,100	2,100	2,000	1,900	1,900	1,900	1,000
CALCULATED SKEW	1.140	1.249	1.204	1.124	1.080	1.065	1.065	1.065	1.026	1.076	1.080	1.130	.184
REGIONAL SKEW	1.100	1.308	1.500	1.100	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400

KURTOSIS	6,787	9,638	9,110	8,007	7,741	6,378	4,325	3,488	3,061	6,032	3,768	2,518	2,232
N	45	45	45	45	45	45	45	45	45	45	44	44	.44
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	.938
RECORD MAXIMUM	10,830	21,530	25,280	27,930	29,900	29,900	29,900	31,420	36,230	48,430	50,030	63,020	103,020
NORMALIZED MAX	2,759	3,777	3,821	3,772	3,745	3,674	3,674	2,749	3,684	3,684	3,013	2,357	
CALC. COEF. VAR	.355	.466	.445	.442	.434	.420	.418	.404	.392	.397	.378	.347	.276
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.0815	.1180	.1414	.1582	.1719	.1865	.2081	.2299	.2673	.2971	.3537	.5241	1.0000
RP10/A	.1188	.1775	.2165	.2424	.2615	.2825	.3148	.3466	.4009	.4471	.5300	.7790	1.3832
RP25/A	.1390	.2117	.2584	.2879	.3100	.3328	.3589	.4040	.4622	.5209	.6138	.9002	1.5472
RP50/A	.1534	.2365	.2855	.3206	.3647	.3685	.4072	.4442	.5045	.5725	.6720	.9844	1.6580
RP100/A	.1673	.2697	.3178	.3521	.3782	.4029	.4438	.4824	.5443	.6217	.7271	1.0642	1.7611
RP1000/A	.2114	.3333	.4111	.4517	.4913	.5110	.5515	.5916	.6316	.6936	.7500	.9500	1.5630
RP10000/A	.2535	.4132	.5000	.5467	.5853	.6131	.6648	.7105	.7747	.8144	.		

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
A50 1162 0 BUCKS LAKE PG+E ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.76	7.90	9.35	10.34	11.61	12.65	14.06	15.25	17.77	19.67	23.48	34.77	67.38
5	7.70	10.90	13.07	14.43	16.10	17.43	19.30	20.61	24.00	27.07	31.80	46.77	95.03
10	8.94	12.91	15.51	17.06	18.99	20.45	22.55	24.20	27.68	31.47	36.78	53.96	95.03
20	10.10	14.80	17.79	19.50	21.67	23.24	25.52	27.27	30.93	35.45	41.24	60.40	103.71
50	10.46	15.37	17.94	20.26	22.47	24.64	26.83	28.21	31.90	35.39	42.44	62.35	106.30
40	10.43	15.34	17.98	20.24	22.41	24.59	26.73	28.11	31.95	35.47	42.37	62.35	106.30
50	10.54	17.20	20.66	22.96	25.03	26.68	29.17	31.02	34.83	40.30	46.64	68.19	113.92
100	12.59	18.96	22.76	24.78	27.46	29.18	31.80	33.69	37.58	43.76	50.47	73.71	121.90
200	13.62	20.69	24.01	26.94	29.03	31.59	34.33	36.26	40.19	47.09	54.13	79.00	127.67
1000	15.92	24.60	29.44	31.79	35.16	37.00	39.96	41.94	45.91	54.46	62.19	90.62	142.01
10000	19.08	30.05	35.85	38.67	42.50	44.39	47.62	49.61	53.48	64.39	72.96	106.17	160.62
PMP	37.52	57.08	70.29	77.43	82.29	91.28	100.56	107.55	122.55	139.47	162.25	235.04	368.61

MEAN	6.136	8.577	10.129	11.133	12.479	13.503	14.909	16.033	18.457	20.909	24.547	36.299	68.707
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.894	1.271	1.241	1.144	.956	.888	.971	1.002	.852	1.596	1.026	.508	.084
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400

KURTOSIS	3.130	4.539	4.255	3.960	3.529	3.682	3.762	3.772	3.920	7.850	5.502	3.159	2.132
N	38	38	38	38	38	38	38	38	38	38	38	38	38
RECORD MAXIMUM	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1952
NORMAL COEF. VAR	1.034	2.044	2.575	2.733	2.692	2.737	2.809	2.895	3.011	3.880	3.421	2.908	1.931
CALC. COEF. VAR	.443	.454	.454	.437	.436	.446	.417	.423	.459	.412	.356	.371	.203
REGIONAL COEF. VAR	.341	.377	.396	.397	.389	.364	.393	.380	.376	.378	.374	.362	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.364	.393	.380	.376	.378	.374	.365	.291

MEAN/A	.0893	.1248	.1474	.1620	.1816	.1965	.2170	.2336	.2686	.3043	.3573	.5283	1.0000
A/P	.1301	.1919	.2259	.2465	.2644	.2814	.2981	.3283	.3523	.3845	.5336	.8500	1.3832
RP25/A	.1242	.2241	.2549	.2760	.2976	.3267	.3476	.3767	.4057	.4346	.5336	.9076	1.3832
RP50/A	.1486	.2503	.3007	.3283	.3642	.3864	.4246	.4514	.5059	.5865	.6788	.9924	1.4580
RP100/A	.1833	.2760	.3313	.3606	.3997	.4247	.4628	.4903	.5469	.6369	.7346	1.0728	1.7611
RP1000/A	.2316	.3561	.4285	.4627	.5118	.5385	.5817	.6105	.6682	.7926	.9051	.1.3190	2.0668
RP10000/A	.2777	.4373	.5218	.5599	.6168	.6461	.6931	.7221	.7784	.9372	1.0020	.1.5453	2.3377
PMP/A	.5461	.8308	1.0231	1.1270	1.2414	1.3268	1.4636	1.5654	1.7837	2.0299	2.3615	3.4209	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
A50 1497 0 CANYON DAM ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.17	4.29	5.14	5.75	6.27	6.87	7.71	8.44	10.13	11.22	13.16	18.97	37.01
5	4.24	5.93	7.18	8.02	8.70	9.47	10.57	11.92	13.68	15.30	17.82	25.52	46.71
10	4.92	7.02	8.52	9.48	10.26	11.11	12.36	13.40	15.77	17.78	20.62	29.45	52.21
20	5.56	7.95	9.78	10.84	11.71	12.62	13.98	15.10	17.63	20.03	23.11	32.96	56.97
50	5.85	9.37	10.17	11.25	12.16	13.08	14.48	15.62	18.19	20.71	23.88	34.03	58.40
100	6.25	9.94	11.37	12.54	13.57	14.51	15.91	17.10	19.63	22.12	25.54	36.09	61.27
200	6.36	9.35	11.36	12.54	13.52	14.49	15.98	17.17	19.65	22.11	25.51	36.21	62.58
1000	6.93	10.31	12.51	13.77	14.84	15.84	17.42	18.65	21.42	24.72	28.29	40.22	66.47
10000	7.50	11.24	13.64	14.97	16.12	17.16	18.81	20.08	22.91	26.61	30.34	43.11	70.16
PMP	10.50	16.33	19.70	21.30	22.96	24.11	26.09	27.47	30.48	36.38	40.89	57.94	88.26
20,66	31.03	38.63	43.03	46.08	49.57	55.10	59.55	69.85	78.80	90.94	128.26		

MEAN	3.378	4.662	5.567	6.187	6.742	7.333	8.169	8.889	10.520	11.813	13.757	19.809	37.745
CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.932	1.215	1.131	.954	1.110	1.083	.997	.829	.621	1.123	.859	.358	.405
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	

KURTOSIS	3.775	5.572	5.483	4.808	5.039	4.873	4.288	3.506	3.152	5.109	4.087	2.766	2.899
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1967	1963	1963	1963	1963	1930	1930	1956	1909	1965	1965	1956	1938
NORMAL COEF. VAR	9.850	10.100	12.020	13.270	14.400	14.880	17.180	18.140	20.390	27.060	27.680	35.360	64.780
CALC. COEF. VAR	2.305	3.433	3.503	3.382	3.241	2.915	3.108	2.825	2.531	3.303	2.767	2.335	2.516
REGIONAL COEF. VAR	.310	.340	.331	.339	.355	.353	.355	.368	.371	.391	.367	.336	.285
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.095	1.235	1.475	1.639	1.766	1.943	2.164	2.355	2.787	3.130	.3645	.5248	1.0000
RP1/A	.1364	.1859	.2288	.2512	.2710	.2943	.3274	.3555	.4179	.4711	.5462	.7062	1.3832
RP25/A	.1228	.2247	.2646	.2924	.3222	.3424	.3737	.4195	.4819	.5422	.6326	.8015	1.5472
RP50/A	.1371	.2309	.3321	.3648	.4047	.4468	.4235	.4830	.5259	.6032	.6935	.8740	1.6660
RP100/A	.1837	.2730	.3314	.3648	.3931	.4196	.4615	.4942	.5674	.6550	.7494	1.0557	1.7611
RP1000/A	.2321	.3543	.4287	.4661	.5034	.5323	.5801	.6153	.6932	.8015	.9234	1.3102	2.0668
RP10000/A	.2782	.4327	.5220	.5664	.6084	.6387	.6913	.7278	.8076	.9030	1.0834	1.5351	2.3377
PMP/A	.5473	.8220	1.0235	1.1401	1.2209	1.3133	1.4597	1.5778	1.8505	2.0675	2.4092	3.3982	5.3650

PRECIPITATION TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 21 2986 25 28N 07E C M 40.086 121.147 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	3.16	4.42	5.30	6.02	6.56	7.15	7.91	8.80	10.37	11.42	13.47	19.45	39.44
5	4.19	6.10	7.42	8.40	9.10	9.85	10.85	12.01	14.01	15.56	18.24	28.17	49.77
10	4.87	7.23	8.80	9.94	10.73	11.55	12.68	13.97	16.15	18.09	21.10	30.19	55.63
20	5.50	8.29	10.10	11.36	12.25	13.13	14.35	15.73	18.05	20.37	23.66	33.79	60.70
25	5.70	8.62	11.87	12.72	13.61	14.86	16.28	18.63	21.07	24.43	34.89	62.22	
40	5.80	9.31	11.34	12.02	12.95	14.81	17.92	19.78	22.50	26.02	37.12	65.29	
50	6.29	9.63	11.73	13.14	14.15	15.07	16.40	17.89	20.33	23.16	26.75	38.15	66.68
60	6.56	10.42	12.26	13.63	15.15	16.84	18.94	20.82	25.15	28.95	31.28	47.83	
80	7.24	11.56	14.08	15.69	16.87	17.95	20.92	23.46	27.07	30.55	44.00	74.73	
100	8.67	13.77	18.71	19.51	19.88	20.90	22.47	24.20	26.73	31.30	35.67	50.71	84.12
1000	10.40	16.82	20.35	22.41	24.03	25.08	26.78	28.62	31.22	37.01	41.85	59.41	94.02
10000	20.45	31.96	39.94	45.10	48.22	51.57	56.54	62.05	71.53	80.16	93.07	131.51	215.77
PHP													
MEAN	3.344	4.802	5.749	6.484	7.055	7.628	8.383	9.262	10.772	12.018	14.079	20.311	40.217
CLOCK MR. COR.	1.140	1.070	1.060	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.097	1.477	1.279	0.925	.886	.653	.739	.446	.376	.649	.316	.203	.332
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	4.514	7.211	6.320	4.869	4.703	4.288	3.769	2.825	2.708	4.416	3.303	2.417	2.841
N	53	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1963	1983	1963	1963	1963	1963	1930	1930	1965	1965	1965	1956	1939
RECORD MAXIMUM	5.810	10.850	12.660	14.030	15.020	15.020	17.020	17.250	20.020	20.020	26.090	26.780	34.770
NORMALIZED MAX	2.466	3.576	3.592	3.386	3.376	2.891	2.977	2.465	2.452	3.342	2.588	2.026	2.279
CALC. COEF. VAR	.299	.352	.335	.344	.334	.335	.346	.350	.350	.350	.349	.351	.290
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
MEAN/A	.0832	.1194	.1429	.1612	.1754	.1897	.2084	.2303	.2679	.2988	.3501	.5050	1.0000
RP10/A	.1212	.1797	.2188	.2471	.2669	.2873	.3153	.3472	.4017	.4448	.5246	.7507	1.3932
RP25/A	.1417	.2143	.2611	.2934	.3184	.3384	.3696	.4047	.4531	.5240	.6076	.8675	1.5472
RP50/A	.1565	.2394	.2916	.3267	.3518	.3740	.4079	.4450	.5055	.5759	.6652	.9487	1.6580
RP100/A	.1707	.2640	.3212	.3589	.3860	.4099	.4466	.4833	.5453	.6254	.7108	1.0255	1.7611
RP1000/A	.2137	.3777	.4464	.4846	.5197	.5588	.6017	.6517	.7263	.7889	.8899	1.2653	2.0668
RP10000/A	.2595	.4183	.5059	.5571	.5975	.6335	.6658	.7137	.7762	.8302	1.0406	1.4972	2.3377
RPMP/A	.0895	.7947	.9921	1.1213	1.1990	1.2822	1.4060	1.5430	1.7786	1.9932	2.3141	3.2700	5.3500

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 0 CHESTER 26 4525 06 28N 07E D M 40.306 121.228 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.63	3.59	4.15	4.84	4.98	5.39	6.04	6.60	7.85	8.70	10.39	15.12	30.81
5	5.51	6.74	6.47	6.00	6.74	8.20	9.01	10.61	11.66	12.08	16.08	20.34	36.08
10	4.06	5.85	6.89	7.65	8.14	8.71	9.69	10.48	12.23	13.78	16.28	23.46	43.45
20	4.61	6.70	7.91	8.75	9.30	9.89	10.96	11.81	13.67	15.52	18.26	26.26	47.42
25	4.77	6.97	8.23	9.09	9.65	10.26	11.36	12.22	14.11	16.06	18.14	27.11	48.60
40	4.86	7.53	8.82	9.26	9.83	11.01	12.16	13.05	14.99	17.14	20.08	26.85	50.99
50	5.27	7.79	9.19	10.12	11.74	13.16	15.23	17.43	19.65	21.64	29.65	52.09	
80	5.75	8.59	10.12	11.12	11.78	12.42	13.66	14.59	16.61	18.16	22.34	32.05	55.32
100	6.22	9.67	11.07	11.76	12.40	13.00	14.53	16.10	17.67	20.92	24.96	34.35	57.37
1000	7.27	11.14	13.09	14.26	15.48	17.57	17.17	18.16	20.29	23.85	27.53	39.41	64.93
10000	8.71	13.61	15.94	17.26	18.23	19.46	21.46	23.84	28.29	32.30	46.17	73.44	
100000	17.13	25.85	31.25	34.74	36.59	38.86	43.20	46.58	54.17	61.07	71.82	102.20	186.53
MEAN	2.001	3.686	4.503	4.995	5.353	5.748	6.055	6.952	8.158	9.197	10.665	15.784	31.414
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.054	1.783	1.542	1.274	1.258	1.082	.893	.517	.159	.432	.314	.274	.249
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	6.240	10.490	8.603	7.029	7.073	5.752	3.970	3.206	2.349	3.277	2.963	2.551	2.778
N	65	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	1965
RECORD MAXIMUM	5.900	10.400	11.900	12.890	13.700	13.700	13.720	13.720	14.580	19.300	21.680	24.130	51.660
NORMALIZED MAX	3.252	4.364	4.309	4.110	4.104	3.804	3.132	2.631	2.155	2.917	2.690	2.154	2.239
CALC. COEF. VAR	.340	.382	.381	.385	.373	.364	.365	.370	.364	.380	.370	.363	.268
REGN. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.378	.374	.365	.291
MEAN/A	.0892	.1236	.1433	.1590	.1704	.1830	.2039	.2213	.2597	.2915	.3459	.5825	1.0000
RP10/A	.1300	.1861	.2194	.2437	.2593	.2772	.3044	.3337	.3894	.4367	.5103	.7469	1.3832
RP25/A	.1520	.2219	.2616	.2694	.3073	.3265	.3615	.3869	.4449	.5111	.6003	.8631	1.5472
RP50/A	.1678	.2480	.2924	.3222	.3417	.3616	.3989	.4276	.4901	.5618	.6572	.9430	1.6580
RP100/A	.1830	.2733	.3221	.3539	.3950	.3953	.4244	.4644	.5267	.5702	.6711	1.0205	1.7611
RP1000/A	.2303	.4047	.4416	.4540	.4802	.4833	.4894	.5073	.5751	.6373	.6731	1.0660	2.0660
RP10000/A	.2773	.4332	.4713	.5494	.5804	.6115	.6512	.6839	.7525	.8976	1.0281	1.4497	3.377
RPMP/A	.5453	.8229	.9946	1.1059	1.1647	1.2369	1.3752	1.4927	1.7244	1.9442	2.2862	3.2535	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
450 3621 0 GREENVILLE RS

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
64 3560 02 26N 09E L M 46-140 120-940 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.79	5.11	6.06	6.64	7.20	7.62	8.45	9.28	10.79	12.10	14.58	20.50	39.72
5	5.06	7.05	8.46	9.28	9.99	10.50	11.60	12.67	14.58	16.49	19.74	27.58	50.12
10	5.88	8.35	10.06	10.95	11.78	12.32	13.56	14.73	16.81	19.16	22.83	31.82	56.02
20	6.84	9.57	11.94	12.52	13.45	13.99	15.34	16.60	18.79	21.58	25.60	35.62	61.13
25	6.87	9.96	12.00	13.01	13.98	14.51	15.89	17.17	19.36	22.33	26.44	36.76	67.66
40	6.99	10.75	12.49	13.25	14.00	15.57	16.94	18.34	20.80	23.66	28.06	39.13	67.75
50	7.59	11.13	14.40	15.53	16.87	17.84	18.88	21.14	24.54	28.95	40.41	67.15	
100	8.58	12.20	14.77	15.91	17.04	17.57	19.11	20.51	21.83	26.65	31.33	43.47	71.33
200	8.95	13.38	16.10	17.29	18.51	19.02	20.63	22.07	24.42	28.67	33.60	46.59	75.26
1000	10.46	15.91	19.10	20.41	21.62	22.26	24.02	25.93	27.89	33.11	38.60	53.44	83.71
10000	12.54	19.44	23.28	24.70	26.37	26.73	28.62	30.20	32.49	39.21	45.29	62.61	94.68
PMP	24.66	36.92	45.60	49.71	52.92	54.97	60.44	65.47	74.44	84.93	100.72	138.01	217.29

MEAN	4.033	5.548	6.571	7.148	7.742	8.131	8.961	9.771	11.211	12.732	15.237	21.406	40.502
CLOCK HR, COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.512	1.094	1.442	1.312	1.193	1.136	1.199	1.132	1.018	1.039	1.009	1.075	1.408
REGIONAL SKEW	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.800	.700	.700	

KURTOSIS	3.092	4.402	6.077	5.064	4.339	4.088	4.157	3.547	3.007	4.363	3.409	2.848	2.253
N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1907	1963	1963	1963	1963	1963	1907	1967	1969	1969	1969	1911	1907
RECORD MAXIMUM	6.170	10.880	15.080	16.480	16.540	16.950	19.070	20.350	22.670	29.110	32.390	42.850	67.340
NORMALIZED MAX	1.746	2.652	3.319	3.159	2.860	2.669	2.778	2.648	2.475	2.824	2.680	2.527	2.302
CALC. COEF. VAR	.304	.362	.390	.413	.397	.388	.406	.409	.413	.455	.420	.397	.288
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.378	.374	.365	

MEAN/A	.6996	.1370	.1822	.1765	.1912	.2008	.2213	.2413	.2768	.3144	.3762	.5285	1.0000
RP10/A	.1451	.2061	.2484	.2704	.2909	.3041	.3347	.3638	.4151	.4732	.5637	.7851	1.3832
RP25/A	.1697	.2459	.2964	.3219	.3448	.3592	.3823	.4240	.4811	.5515	.6529	.8709	1.472
RP50/A	.1938	.3171	.3310	.3459	.3567	.3697	.3829	.4079	.4524	.5024	.5748	.7928	1.6580
RP100/A	.2044	.3028	.3282	.3427	.3627	.3747	.3919	.4191	.4563	.5079	.5775	.7132	1.7611
RP1000/A	.2582	.3929	.4716	.5039	.5387	.5501	.5931	.6304	.6885	.8167	.9531	.1.3195	2.0668
RP10000/A	.3095	.4799	.5742	.6098	.6510	.6600	.7067	.7456	.8021	.9681	1.1182	.1.5459	2.3377
PMP/A	.6088	.9116	1.1259	1.2724	1.3065	1.3571	1.4924	1.6164	1.8380	2.0968	2.4867	3.4222	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
450 4722 0 LAKE WILENDR

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
81 2040 15 22N 04E E M 39.763 121.522 04

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.79	5.29	6.13	6.80	7.41	8.15	9.16	10.21	12.19	13.44	16.46	25.24	49.84
5	5.03	7.30	8.56	9.49	10.28	11.22	12.57	13.93	16.47	18.31	22.29	33.95	62.90
10	5.88	8.65	10.11	11.22	12.12	13.17	14.65	16.20	18.99	21.29	25.78	39.17	70.30
20	6.59	9.91	11.66	12.83	13.84	14.96	16.62	18.26	21.22	23.97	28.91	43.84	76.72
25	6.63	10.31	12.13	13.33	14.37	15.51	17.22	18.85	21.90	24.19	29.46	45.26	76.44
40	6.94	11.19	13.09	13.57	14.32	15.12	16.64	18.15	20.17	23.20	27.31	38.06	62.51
50	7.54	11.52	14.92	16.49	15.98	17.16	19.00	20.16	22.30	25.75	32.69	49.50	84.27
100	8.89	13.86	16.26	17.71	17.53	18.70	20.71	22.55	25.78	29.59	35.37	53.51	89.51
200	10.39	16.48	19.30	20.91	22.45	23.82	26.03	28.08	31.50	36.83	43.59	65.76	105.05
1000	12.46	20.13	23.50	25.30	27.13	28.56	31.02	33.21	36.70	43.55	51.14	77.07	116.82
PMP	24.50	38.24	46.07	50.92	54.45	58.77	65.50	72.00	84.09	94.32	113.73	176.62	272.69

MEAN	4.007	5.746	6.839	7.321	7.967	8.694	9.711	10.746	12.664	14.141	17.205	26.350	50.827
CLOCK HR, COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.643	.958	.657	.437	.447	.585	.451	.397	.311	.301	.101	.393	.494
REGIONAL SKEW	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.000	1.000	1.000	.900	.800	.600	.800	.700	.700	

KURTOSIS	2.938	3.668	2.794	3.319	3.249	3.253	2.757	2.688	2.595	3.322	2.581	2.887	2.499
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1938	1965	1940	1965	1940	1940	1941	1941	1941	1965	1961	1941	1941
RECORD MAXIMUM	6.070	9.600	10.730	12.180	13.280	15.110	15.930	18.900	22.010	25.940	29.390	48.330	83.850
NORMALIZED MAX	1.611	1.956	2.012	2.329	2.401	2.573	2.153	2.400	2.280	2.585	2.614	2.747	
CALC. COEF. VAR	.320	.343	.306	.285	.276	.287	.297	.316	.327	.330	.329	.327	.284
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.378	.374	.365	

MEAN/A	.0788	.1130	.1306	.1440	.1567	.1710	.1911	.2114	.2492	.2762	.3385	.5184	1.0000
RP10/A	.1149	.1701	.1999	.2207	.2385	.2591	.2890	.3188	.3436	.4197	.5875	.7766	1.3852
RP25/A	.1344	.2026	.2386	.2622	.2827	.3137	.3437	.3738	.4038	.4703	.5875	.8096	1.4424
RP50/A	.1744	.2267	.2519	.2791	.3043	.3308	.3728	.4085	.4703	.5362	.6432	.9798	1.6580
RP100/A	.2045	.2499	.2925	.3004	.3449	.3696	.4074	.4437	.5073	.5822	.6960	1.0527	1.7611
RP1000/A	.2451	.3980	.4623	.4977	.5339	.5823	.6103	.6534	.7200	.8570	1.2943	2.0668	
PMP/A	.4621	.7523	.9065	1.0010	1.071	1.1563	1.2086	1.4165	1.6545	1.8556	2.2375	3.3588	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 450 4012 0 LAS PLUMAS 82 506 14 21N 04E J M 39.676 121.467 04

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.43	6.03	6.90	7.65	8.31	8.94	9.95	10.91	12.92	14.09	17.14	25.11	47.23
5	5.92	8.33	9.65	10.68	11.53	12.32	13.66	14.90	17.46	19.21	23.21	33.78	59.60
10	6.87	9.86	11.45	12.63	13.60	14.46	15.46	17.33	20.13	22.33	26.85	36.98	66.61
20	7.76	11.31	13.13	14.44	15.52	16.43	18.06	19.52	22.50	25.15	30.10	43.63	72.69
25	8.04	11.76	13.86	15.05	16.12	17.03	18.20	19.19	21.21	26.01	31.10	45.04	74.51
50	8.16	12.70	15.08	16.24	17.46	18.26	19.46	20.01	21.57	24.77	30.21	47.93	76.18
100	9.66	14.48	18.89	19.34	19.66	20.63	22.50	24.11	27.33	31.04	34.84	52.24	84.81
200	10.47	15.89	19.32	19.94	21.33	22.33	24.29	25.95	29.24	33.41	39.51	57.07	89.49
1000	12.24	18.79	21.74	23.53	25.18	26.16	28.28	30.02	33.39	36.63	45.39	65.46	99.54
10000	14.67	22.95	26.47	28.44	30.43	31.38	33.70	35.51	38.90	45.68	52.26	76.70	112.58
PMP	28.85	43.60	51.90	57.32	61.07	64.53	71.16	76.99	89.15	98.94	118.43	169.78	258.38

MEAN 4.718 6.552 7.476 8.242 8.035 9.546 10.549 11.490 13.426 14.834 17.918 26.221 48.160  
 CLOCK HR, COR. 1.140 1.070 1.040 1.020 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
 CALCULATED SKEW 1.469 1.976 2.117 1.865 1.546 1.249 1.114 .818 .395 .976 .729 .611 .369  
 REGIONAL SKEW 1.100 1.300 1.200 1.100 1.000 .900 .800 .800 .800 .700 .700 .700 .400  
 SKEW USED 1.100 1.300 1.200 1.100 1.000 .900 .800 .800 .800 .700 .700 .700 .400

KURTOSIS	5.652	8.334	10.089	8.483	7.120	5.778	4.957	4.147	3.004	5.318	3.920	2.959	2.672
N	53	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1956	1965	1956	1956	1941
RECORD MAXIMUM	9.410	16.470	20.190	21.970	22.460	22.460	24.530	25.260	33.530	37.270	49.610	77.730	
NORMALIZED MAX	2.764	3.735	4.226	4.087	3.858	3.537	3.011	3.057	5.504	5.586	3.065	2.598	1.999
CALC. COEF. VAR	.360	.405	.402	.408	.392	.383	.375	.371	.352	.352	.352	.343	.307
REON. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.376	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.376	.365	.291

MEAN/A	.0980	.1360	.1553	.1711	.1855	.1982	.2190	.2386	.2788	.3080	.3720	.5445	.1.0000
RPI0/A	.1427	.2047	.2377	.2522	.2823	.3002	.3314	.3597	.4180	.4436	.5575	.8093	.1.3832
RPI2/A	.1670	.2442	.2836	.3115	.3346	.3537	.3884	.4193	.4620	.5401	.6457	.9353	.1.5472
RPI5/A	.1870	.2706	.3049	.3377	.3637	.3917	.4210	.4510	.5150	.5950	.6537	.9127	.1.7360
RPI10/A	.2011	.3067	.3489	.3808	.4083	.4283	.4672	.5007	.5576	.6446	.7649	.1.1556	.1.7111
RPI20/A	.2541	.3902	.4513	.4866	.5228	.5431	.5872	.6234	.6934	.8022	.9426	.1.3593	.2.0668
RPI100/A	.3046	.4766	.5496	.5913	.6319	.6516	.6997	.7373	.8078	.9485	.1.0591	.1.5925	.2.3377
RPI1000/A	.5990	.954	1.0776	1.1962	1.2681	1.3399	1.4775	1.5985	1.8511	2.0544	2.4592	3.5253	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 450 7085 0 PORTOLA 116 4836 01 22N 13E D M 39.805 120.471 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.00	2.58	3.07	3.39	3.72	4.00	4.41	4.79	5.48	5.96	7.02	9.81	18.94
5	2.64	3.56	4.30	4.73	5.16	5.51	6.05	6.53	7.40	8.18	9.51	13.20	23.90
10	3.07	4.21	5.10	5.59	6.09	6.47	7.07	7.60	8.53	9.53	11.00	15.23	26.71
20	3.46	4.83	5.85	6.39	6.95	7.35	8.01	8.50	9.55	10.75	13.24	17.05	29.15
25	3.59	5.02	6.06	6.65	7.21	7.62	8.29	8.86	9.84	11.13	12.74	17.60	29.80
40	3.65	5.42	6.57	6.76	7.34	8.10	8.86	9.46	10.46	11.69	13.57	18.73	31.35
50	3.96	5.61	6.78	7.39	8.02	8.44	9.15	9.74	10.46	12.25	13.95	19.25	32.02
100	4.46	6.78	8.01	8.42	9.02	9.62	10.32	11.08	12.59	14.20	16.19	22.30	35.89
200	4.67	6.75	8.15	8.62	9.36	9.99	10.77	11.39	12.39	14.34	16.19	22.30	35.89
1000	5.66	8.02	9.68	10.61	11.27	11.70	12.54	13.17	14.15	16.60	18.60	25.56	39.92
10000	6.54	9.80	11.79	12.60	13.62	14.03	14.94	15.58	16.49	19.66	21.82	29.97	45.15
PMP	12.87	18.62	23.11	25.36	27+34	28.86	31.54	33.78	37.78	42.75	48.53	66.35	103.61

KURTOSIS	5.900	6.044	6.274	5.740	5.657	5.836	5.808	5.105	3.782	4.714	3.750	3.008	3.103
N	56	56	56	56	56	56	56	56	56	56	56	56	57
RECORD YEAR	1956	1953	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1952
RECORD MAXIMUM	4.100	6.340	8.550	9.300	9.660	10.760	12.300	12.950	13.260	14.990	16.420	20.480	30.660
NORMALIZED MAX	2.604	3.201	3.718	3.679	3.237	3.530	3.696	3.614	3.190	3.263	3.020	2.504	2.832
CALC. COEF. VAR	.367	.386	.422	.421	.437	.431	.441	.434	.417	.425	.409	.399	.354
REON. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.376	.374	.365	.291

MEAN/A	.1090	.1449	.1724	.1868	.2071	.2210	.2421	.2946	.3253	.3802	.5308	.1.0000	
RPI0/A	.1588	.2180	.2639	.2993	.3151	.3346	.3663	.3936	.4418	.4935	.5997	.7667	.1.3832
RPI25/A	.1857	.2600	.3190	.3705	.3944	.4293	.4585	.5095	.5762	.6590	.9115	.1.5472	
RPI50/A	.2056	.2905	.3726	.4326	.4745	.5126	.5530	.5904	.6411	.7233	.9123	.1.6500	
RPI100/A	.2220	.3203	.3875	.4620	.4556	.4776	.5184	.5478	.5999	.6803	.8596	.1.0774	
RPI1000/A	.3308	.5875	.6103	.6524	.7054	.7266	.7733	.8067	.8530	.9170	.1.1309	.1.5520	.2.3377
RPI10000/A	.6663	.9641	1.1966	1.3132	1.4156	1.4942	1.6333	1.7489	1.9565	2.0137	2.5120	3.4356	5.3650

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N 000E SUB  
ASO 7195 0 STATION NAME QUINCY RS ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.51	4.88	5.84	6.54	7.01	7.49	8.31	9.12	10.67	11.86	14.03	19.82	39.23
5	4.69	6.73	8.16	9.12	9.72	10.32	11.41	12.45	14.42	16.27	19.00	26.66	49.51
10	5.45	7.97	9.68	10.78	11.47	12.11	13.33	14.48	16.63	18.96	21.98	30.76	55.33
20	6.15	9.14	11.11	12.33	13.09	13.76	15.08	16.31	18.58	21.39	24.64	34.43	60.36
25	6.37	9.51	11.56	12.42	13.59	14.26	15.62	16.93	19.27	22.41	25.37	35.87	61.90
40	6.48	10.21	12.93	13.04	13.64	15.07	16.73	18.02	20.37	22.65	27.11	37.82	64.94
50	7.03	10.62	12.91	13.24	15.12	15.80	17.24	18.55	20.92	24.36	27.87	38.87	66.33
100	7.77	11.71	14.22	15.66	16.59	17.27	18.79	20.15	22.58	26.47	30.16	42.02	70.45
200	8.30	12.78	15.50	17.03	18.02	18.70	20.29	21.69	24.15	28.51	32.35	45.03	74.34
1000	9.70	15.20	18.39	20.10	21.24	21.90	23.02	25.09	27.58	33.02	37.16	51.66	82.68
10000	11.62	18.56	22.39	24.32	25.67	26.28	28.14	29.67	32.13	39.10	43.60	60.52	93.52
PMP	22.86	35.26	43.91	48.95	51.52	54.04	59.43	64.33	73.63	85.03	96.95	133.98	214.63

MEAN	3.739	5.298	6.327	7.038	7.538	7.994	8.810	9.602	11.088	12.495	14.668	20.692	40.005
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.899	1.397	1.656	1.392	1.219	1.096	1.184	1.226	.846	.796	.573	.386	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.700	.700	.400		
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.700	.700	.400		

KURTOSIS	4.068	5.574	7.530	6.120	5.334	4.954	5.486	5.547	3.692	4.241	3.490	2.927	2.383
N	75	75	75	75	75	75	75	75	75	75	75	75	75
RECORD YEAR	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1909	1909	1907
RECORD MAXIMUM	6.500	11.800	16.200	17.950	18.650	19.150	23.950	26.050	26.850	29.300	34.170	44.350	73.220
NORMALIZED MAX	2.453	3.206	3.692	3.451	3.545	3.419	3.923	3.983	3.274	2.998	3.047	2.833	2.549
CALC. COEF. VAR	.301	.383	.423	.425	.416	.408	.438	.436	.454	.451	.437	.404	.326
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0935	.1324	.1581	.1759	.1884	.1998	.2202	.2400	.2772	.3123	.3666	.5172	1.0000
RP10/A	.1362	.1993	.2421	.2696	.2867	.3027	.3332	.3819	.4156	.4733	.5844	.7861	1.3323
RP25/A	.1593	.2311	.2893	.3205	.3381	.3545	.3835	.4155	.4571	.5203	.6303	.8085	1.4272
RP50/A	.1716	.2565	.3226	.3577	.3779	.4001	.4309	.4657	.5231	.6088	.6967	.8716	1.6580
RP100/A	.1918	.2929	.3554	.3715	.4146	.4138	.4697	.5037	.5643	.6618	.7538	1.0503	1.7611
RP1000/A	.2424	.3799	.4597	.5023	.5309	.5475	.5904	.6271	.6894	.8254	.9289	1.2913	2.0668
RP10000/A	.2906	.4640	.5597	.6079	.6417	.6569	.7035	.7418	.8032	.9773	1.0898	1.5129	2.3377
PMP/A	.5715	.8814	1.0975	1.2236	1.2878	1.3508	1.4854	1.6081	1.8404	2.1254	2.4235	3.3491	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N 000E SUB  
ASO 8218 0 STATION NAME SIERRAVILLE RS ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE 46

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.62	4.17	4.53	4.89	5.24	5.78	6.30	7.12	7.89	9.28	12.71	24.54
5	3.62	5.00	5.83	6.32	6.78	7.22	7.93	8.59	9.63	10.82	12.57	17.09	30.97
10	4.20	5.92	6.92	7.47	8.00	8.47	9.27	9.99	11.10	12.61	14.53	19.72	34.61
20	4.75	6.78	7.94	8.54	9.13	9.63	10.49	11.21	12.40	14.23	16.30	22.07	37.77
25	4.91	7.05	8.26	8.88	9.48	9.98	10.87	11.65	12.80	14.72	16.65	22.40	37.11
40	5.00	7.62	8.92	9.04	9.45	10.71	11.64	12.50	13.50	15.25	17.93	24.25	40.62
50	5.00	7.62	9.04	9.45	10.54	11.05	12.81	13.97	15.20	18.43	22.49	41.62	
50	5.92	6.99	10.16	10.95	11.56	12.43	13.07	13.91	15.07	17.61	19.94	26.94	44.07
100	6.40	9.48	11.08	11.80	12.56	13.09	14.11	14.97	16.12	18.97	21.39	28.87	46.50
1000	7.48	11.28	13.14	13.94	14.81	15.33	16.43	17.32	18.11	21.96	24.57	33.12	51.72
10000	8.96	13.77	16.00	16.85	17.90	18.39	19.58	20.49	21.45	26.01	28.83	38.80	58.49
PMP	17.63	26.19	31.33	33.92	35.92	37.81	41.34	44.41	49.15	56.56	64.11	85.90	134.24

MEAN	2.883	3.931	4.522	4.877	5.255	5.594	6.129	6.629	7.401	8.312	9.699	13.266	25.022
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.1340	1.6265	1.8633	1.6767	1.6166	1.8262	1.7116	1.5711	1.2777	1.2888	1.1211	.945	.506
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	4.001	6.835	7.275	6.424	5.941	7.272	7.271	6.909	5.779	5.353	4.775	4.068	2.592
N	64	64	64	64	64	64	64	64	64	64	64	64	64
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1914	1983
RECORD MAXIMUM	6.100	11.210	14.400	15.380	15.390	17.460	18.760	19.880	20.250	22.130	24.310	30.530	45.270
NORMALIZED MAX	2.590	3.455	3.862	3.828	3.477	3.675	4.029	4.026	3.794	3.492	3.200	2.900	2.349
CALC. COEF. VAR	.431	.536	.566	.563	.555	.547	.512	.496	.488	.476	.464	.443	.345
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.381	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.381	.374	.365	.291

MEAN/A	.1152	.1571	.1807	.1949	.2100	.2235	.2449	.2649	.2958	.3322	.3876	.5302	1.0000
RP10/A	.1679	.2364	.2766	.2987	.3195	.3386	.3705	.3994	.4435	.5040	.5871	.7327	1.3832
RP25/A	.1964	.2820	.3301	.3546	.3688	.3988	.4243	.4655	.5114	.5744	.6277	.7107	1.3832
RP50/A	.2188	.3173	.3749	.4149	.4709	.5118	.5519	.5882	.6475	.7365	.8959	.9580	
RP100/A	.2455	.3173	.4061	.4329	.4622	.4930	.5223	.5559	.6022	.7038	.7707	1.0766	1.7611
RP1000/A	.2969	.4506	.5253	.5666	.5918	.6125	.6566	.6922	.7357	.8778	.9821	1.3236	2.0668
RP10000/A	.3583	.5594	.6396	.6735	.7153	.7523	.7823	.8187	.8571	.9034	1.1522	1.5507	2.3377
PMP/A	.7043	1.0456	1.2542	1.3557	1.4354	1.5112	1.6520	1.7749	1.9641	2.2604	2.5622	3.4320	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 147 4945 28 23N 16E 0 M 39.819 120.168 27  
ASO 9351 0 VINTON

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	80D	100D	150D	200D	300D	600D	365D
2	1.42	1.83	2.11	2.34	2.54	2.69	2.97	3.15	3.52	3.82	4.35	5.98	6.88	7.63	10.38	20.60			
5	1.90	2.52	2.95	3.26	3.53	3.71	4.07	4.30	4.76	5.24	5.89	6.04	6.28	6.81	7.28	16.72			
10	2.21	2.99	3.51	3.86	4.16	4.35	4.76	5.00	5.49	6.10	6.81	7.28	7.63	8.40	11.41	21.94			
20	2.49	3.42	4.02	4.41	4.75	4.95	5.38	5.64	6.13	6.88	7.63	8.40	9.18	9.89	11.41	21.94			
25	2.56	3.48	4.08	4.58	4.93	5.13	5.50	5.83	6.33	7.12	7.89	8.60	9.38	10.22	10.72	20.91			
40	2.43	3.85	4.52	4.87	5.21	5.51	5.97	6.23	6.73	7.61	8.40	9.18	9.89	10.60	11.41	22.41			
50	2.85	3.98	4.67	5.10	5.49	5.84	6.21	6.51	7.04	7.95	8.80	9.50	10.22	11.27	12.67	23.00			
100	3.11	4.39	5.15	5.61	6.02	6.21	6.71	6.96	7.45	8.52	9.34	10.02	11.58	12.50	13.58	25.11			
200	3.36	4.78	5.61	6.09	6.54	6.73	7.24	7.49	7.97	9.18	10.02	11.51	12.58	13.51	15.58	27.93			
1000	3.93	5.69	6.65	7.19	7.71	7.88	8.43	8.67	9.10	10.63	11.51	12.58	13.51	14.58	15.58	31.59			
10000	4.71	6.95	8.11	8.70	9.32	9.45	10.04	10.25	10.81	12.58	13.51	14.58	15.58	16.58	17.58	31.59			
PPM	9.27	13.24	15.90	17.52	18.70	19.43	21.21	22.23	24.30	27.37	30.04	40.41	72.50						

MEAN	1.516	1.984	2.290	2.519	2.736	2.874	3.144	3.318	3.660	4.022	4.544	6.240	13.514					
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.617	2.302	1.940	1.556	1.856	2.060	1.901	1.827	1.528	1.568	1.584	1.229	1.284					
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.700	.700	.700	.700	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.700	.700	.700	.700	.700

KURTOSIS	10.918	9.210	7.495	5.328	6.750	8.062	7.110	6.888	5.686	6.109	6.487	6.425	2.843					
N	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	3.840	5.640	6.340	6.390	7.820	8.870	9.760	10.090	10.240	11.700	12.470	14.480	21.430					
SIMPLIFIED COEF. VAR	3.173	3.474	3.367	2.867	3.267	3.601	3.500	3.495	3.291	3.448	3.539	3.118	2.090					
REGN. COEF. VAR	.483	.533	.525	.536	.569	.579	.501	.584	.566	.558	.493	.424	.280					
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291					
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291					

MEAN/A	.1121	.1468	.1695	.1864	.2025	.2127	.2327	.2455	.2709	.2976	.3363	.3450	.3450	.3450	.3450	.3450	.3450	.3450	.3450
RP10/A	.1634	.2209	.2500	.2855	.3081	.3222	.3520	.3702	.4002	.4515	.5039	.6864	.6864	.6864	.6864	.6864	.6864	.6864	.6864
RP25/A	.1911	.2455	.2805	.3324	.3795	.4126	.4315	.4663	.5272	.5836	.7932	.9147	.9147	.9147	.9147	.9147	.9147	.9147	.9147
RP50/A	.2110	.2944	.3458	.3777	.4060	.4273	.4464	.5111	.5801	.6289	.8464	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577
RP100/A	.2302	.3245	.3809	.4148	.4455	.4594	.4796	.5153	.5573	.6146	.7844	.8777	.9158	.9158	.9158	.9158	.9158	.9158	.9158
RP1000/A	.2909	.4211	.4927	.5322	.5705	.5828	.6237	.6416	.6764	.7864	.8519	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158
RP10000/A	.3487	.5143	.5999	.6040	.6895	.6952	.7432	.7588	.7849	.9312	.9959	.13507	.13507	.13507	.13507	.13507	.13507	.13507	.13507
PPM/A	.6858	.9770	1.1763	1.2963	1.3838	1.4378	1.5694	1.6451	1.7985	2.0252	2.2227	2.9900	.5.3650						

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 5 5739 28 17N 13E K M 39.307 120.517 31  
ASO 747 0 BIG BEN R5

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	80D	100D	150D	200D	300D	600D	365D
2	5.45	7.73	9.42	10.60	11.95	12.94	14.51	15.73	17.45	20.55	20.52	24.00	34.72	67.43					
5	7.28	10.68	13.17	14.79	16.57	17.83	19.91	21.47	24.46	28.16	32.49	46.70	55.10						
10	8.46	12.64	15.63	17.49	19.55	20.92	23.24	24.98	26.44	32.81	37.59	53.89	65.11						
20	9.56	14.49	17.93	20.00	22.31	23.76	26.33	28.14	31.78	37.02	42.14	60.31	103.79						
25	9.90	15.07	18.65	20.78	23.17	24.64	27.27	29.11	32.79	38.31	42.16	67.46	101.63						
40	10.05	16.28	20.13	21.16	23.59	26.45	29.29	31.09	34.84	40.94	46.36	66.26	111.62						
50	10.45	16.54	20.53	23.13	25.76	27.29	30.49	32.01	35.76	42.16	47.46	66.26	111.62						
100	11.92	18.57	22.94	25.08	28.09	31.89	35.81	36.51	36.51	45.53	45.57	73.81	120.10						
200	12.88	20.26	25.01	27.02	30.71	32.31	35.41	37.42	41.30	49.35	51.32	78.89	127.07						
1000	15.06	24.09	29.67	32.00	36.20	37.84	41.22	42.28	47.17	57.15	63.55	142.12							
10000	18.05	29.42	36.13	39.45	43.75	45.40	49.12	51.19	54.95	67.67	74.55	160.03	160.75						
PPM	35.85	55.89	70.85	79.40	87.81	93.35	103.73	110.99	125.92	147.18	165.80	234.72	368.91						

MEAN	5.806	8.399	10.209	11.416	12.847	13.809	15.379	16.545	18.944	21.628	25.083	32.250	68.763						
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.664	1.530	1.546	1.454	1.280	1.364	1.240	1.134	.951	.719	.754	.397							
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.600	.700	.700	.700	.700	.700	.700	.700	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.600	.700	.700	.700	.700	.700	.700	.700	

KURTOSIS	5.250	5.297	4.855	4.430	4.047	4.029	4.233	4.053	3.460	4.312	3.321	2.971	2.031						
N	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1963	1963	1963	1963	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
NORMALIZED MAX	10.540	17.500	21.550	25.230	27.480	31.400	33.370	35.560	39.490	50.430	52.790	66.440	101.190						
CALC. COEF. VAR	2.112	2.425	2.345	2.439	2.393	2.862	2.551	2.494	2.428	2.817	2.530	2.122	1.730						
REGN. COEF. VAR	.386	.447	.474	.496	.476	.479	.459	.460	.446	.473	.437	.392	.273						
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291						
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291						

MEAN/A	.0844	.1221	.1485	.1660	.1868	.2008	.2238	.2409	.2750	.3145	.3648	.5272	.6000						
RP10/A	.1230	.1938	.2273	.2544	.2843	.3042	.3383	.3632	.4135	.4772	.5466	.7837	.8182						
RP25/A	.1439	.2192	.2712	.3022	.3370	.3583	.3965	.4234	.4769	.5571	.6331	.7056	.7547						
RP40/A	.1598	.2470	.3036	.3354	.3654	.3938	.4276</td												

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 460 1018 0 BOWMAN DAM 11 5347 08 18N 12E 0 M 39.445 120.656 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.10	7.01	8.44	9.51	10.51	11.59	12.96	14.31	16.94	18.59	21.67	31.69	64.67
5	6.82	9.68	11.80	13.26	14.57	15.97	17.79	19.53	22.85	25.50	29.34	42.63	81.61
10	7.92	11.46	14.00	15.68	17.19	18.74	20.79	22.72	26.39	29.72	33.49	49.19	91.21
20	9.57	13.51	18.00	19.92	21.24	23.04	25.49	28.04	32.43	36.20	39.45	58.00	102.53
25	9.97	13.67	16.71	18.63	20.38	22.07	24.37	26.48	30.43	34.70	39.30	56.84	102.03
40	9.42	14.76	18.04	18.97	20.75	23.69	26.09	28.28	32.33	37.08	41.86	60.48	107.05
50	10.23	15.27	18.66	20.74	22.66	24.95	26.89	29.11	33.21	38.19	43.03	62.16	109.34
100	11.16	16.83	20.55	22.70	24.86	26.73	29.31	31.62	35.83	41.51	46.56	67.19	116.13
200	12.06	18.36	22.40	24.76	27.01	28.94	31.65	34.04	38.32	44.70	49.94	72.01	122.53
1000	14.10	21.26	26.58	29.23	31.84	33.90	36.84	39.37	43.77	51.17	57.37	82.61	136.29
10000	16.90	26.67	32.37	35.37	38.46	40.57	43.96	46.57	50.99	61.30	61.30	96.78	154.15
PMF	33.24	50.67	63.47	71.19	77.22	83.93	92.70	100.00	116.85	133.31	149.69	214.23	353.78

MEAN	5.436	7.614	9.146	10.235	11.298	12.371	13.744	15.068	17.597	19.590	22.647	33.089	65.942
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.994	1.330	1.531	1.557	1.550	1.339	1.246	1.107	.929	1.240	1.060	.906	.448
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.400	

KURTOSIS	4.264	4.910	5.532	5.619	5.626	5.129	4.961	4.523	3.913	5.018	4.392	3.418	2.726
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1956	1956	1956	1965	1965	1965	1965	1965	1965	1965	1965	1965	1938
RECORD MAXIMUM	9.920	16.70	21.00	24.00	27.10	28.00	33.00	36.00	38.00	42.00	52.30	65.00	117.00
NORMALIZED MAX	2.07	2.75	2.948	3.149	3.400	3.613	3.921	4.364	4.742	5.270	3.040	2.04	1.662
CALC. COEF. VAR	.343	.414	.456	.469	.454	.443	.458	.457	.441	.449	.432	.409	.292
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0824	.1155	.1287	.1552	.1713	.1876	.2084	.2285	.2669	.2971	.3434	.5018	1.0000
RP10/A	.1201	.1737	.2123	.2378	.2667	.2842	.3153	.3445	.4002	.4567	.5164	.7459	1.9382
RP25/A	.1093	.1505	.2072	.2533	.2825	.3090	.3348	.3694	.4016	.4416	.5262	.8520	1.5672
RP50/A	.1551	.2315	.2948	.3145	.3436	.3707	.4076	.4415	.5036	.5791	.6526	.9426	1.6580
RP100/A	.1692	.2552	.3117	.3454	.3770	.4053	.4445	.4795	.5433	.6294	.7061	1.0189	1.7611
RP1000/A	.2138	.3312	.4031	.4432	.4828	.5140	.5587	.5971	.6638	.7850	.8701	1.2527	2.0668
RP10000/A	.2563	.4045	.4909	.5363	.5855	.6167	.6657	.7062	.7733	.8295	1.0208	1.4677	2.3377
RPMP/A	.5041	.7684	.9025	1.0795	1.1710	1.2682	1.4058	1.5310	1.7719	2.0216	2.2701	3.2490	5.3650

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 460 1180 0 BULLARD'S BAR PM 16 1800 24 18N 07E M 39.408 121.146 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.96	7.68	9.14	10.13	11.07	12.11	13.55	14.82	17.56	19.33	22.99	33.67	65.38
5	7.97	10.61	12.77	14.14	15.35	16.68	18.60	20.22	23.72	26.51	31.14	45.29	82.51
10	9.26	12.58	15.18	16.72	18.10	19.57	21.74	23.52	27.35	30.90	36.02	52.26	92.22
20	10.46	14.40	17.39	19.12	20.66	22.23	24.60	26.50	30.56	34.86	40.38	58.46	100.64
25	10.83	14.96	18.53	20.50	21.66	23.40	25.80	28.19	31.59	35.80	41.71	59.09	101.16
40	11.01	14.98	19.53	20.22	21.45	24.75	27.28	29.97	33.51	36.55	44.42	61.26	108.24
50	11.95	16.74	20.20	22.11	23.86	25.53	28.12	30.14	34.42	39.70	45.67	66.04	110.55
100	13.04	18.45	22.25	24.28	26.18	27.92	30.64	32.73	37.13	43.15	49.42	71.39	117.42
200	14.10	20.13	24.25	26.40	28.45	30.23	33.05	35.23	39.72	46.47	53.00	76.51	123.89
1000	16.48	23.94	28.78	31.16	33.53	35.40	38.52	40.75	45.36	53.62	60.89	87.77	137.81
10000	19.75	29.24	35.04	37.70	40.52	42.47	45.89	48.20	52.85	63.72	71.44	102.83	155.86
PMF	38.85	55.55	68.71	75.59	81.32	87.34	96.91	104.50	121.10	139.59	156.87	227.84	357.71

MEAN	6.353	8.347	9.901	11.991	12.920	14.368	15.597	18.238	20.366	24.035	35.157	66.675	
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.016	1.266	1.244	1.280	1.269	1.172	1.182	1.125	.681	1.226	1.087	.693	.452
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400

KURTOSIS	3.667	4.024	4.106	4.206	4.186	3.927	3.907	3.639	3.388	5.237	3.938	3.954	2.037
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1960	1965	1963	1963	1956	1956	1956	1965	1965	1965	1956	1956	1952
RECORD MAXIMUM	10.920	16.960	20.160	23.470	25.360	26.160	28.900	31.100	34.190	44.060	48.010	66.900	97.590
NORMALIZED MAX	1.787	2.180	2.255	2.465	2.450	2.350	2.450	2.14	2.465	2.983	2.400	2.914	1.741
CALC. COEF. VAR	.402	.500	.459	.467	.468	.436	.413	.402	.384	.390	.403	.350	.666
REGN. COEF. VAR	.341	.377	.396	.397	.398	.393	.393	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.398	.393	.393	.380	.376	.387	.374	.365	.291

MEAN/A	.0953	.1252	.1465	.1637	.1785	.1938	.2155	.2339	.2735	.3055	.3605	.5273	1.0000
RP10/A	.1385	.1744	.2273	.2379	.2615	.2935	.3260	.3527	.4102	.4034	.5230	.7838	1.3932
RP25/A	.1544	.2244	.2473	.2579	.2745	.3048	.3411	.3740	.4541	.4626	.6255	.9058	1.4947
RP50/A	.1793	.2510	.3109	.3316	.3579	.3929	.4217	.4520	.5162	.5954	.6849	1.0580	
RP100/A	.1956	.2767	.3337	.3642	.3927	.4187	.4596	.4909	.5569	.6472	.7412	1.0707	1.7611
RP1000/A	.2471	.3891	.4316	.4673	.5029	.5369	.5777	.6112	.6804	.8072	.9133	1.3164	2.0668
RP10000/A	.2962	.4386	.5256	.5655	.6078	.6370	.6883	.7230	.7926	.9558	1.0715	1.5423	2.3377
RPMP/A	.5826	.8331	1.0305	1.1382	1.2197	1.3099	1.4533	1.5873	1.8163	2.0786	2.3828	3.4142	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 18 2755 02 18N 08E 0 M 39°45.1 121°04.8 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.08	6.67	7.90	8.81	9.72	10.61	11.82	12.95	15.51	17.38	21.21	30.41	59.65
5	6.79	9.21	11.05	12.30	13.48	14.62	16.23	17.68	20.95	23.85	28.72	40.93	75.28
10	7.89	10.91	13.11	14.54	15.91	17.16	18.96	20.56	24.15	27.80	33.22	47.21	84.14
20	8.91	12.51	15.04	16.63	18.15	19.49	21.46	23.17	26.99	31.36	37.24	52.84	91.61
40	9.39	13.01	15.85	17.27	19.19	20.21	22.23	23.97	27.85	32.45	38.47	54.55	94.11
50	10.19	13.43	17.47	19.23	20.96	22.38	24.53	26.60	29.45	33.30	40.97	56.04	98.74
100	11.12	15.02	19.24	21.12	23.00	24.47	26.73	28.92	32.80	36.82	45.57	64.48	107.12
200	12.02	17.48	20.97	22.96	24.99	26.50	28.87	30.86	35.08	41.81	48.88	69.11	113.03
1000	14.05	20.79	24.89	27.10	29.46	31.03	33.60	35.63	40.07	46.41	56.16	79.28	125.72
10000	16.84	25.39	30.31	32.79	35.60	37.24	40.04	42.15	46.68	57.32	65.89	92.89	142.20
PMP	33.12	48.23	59.42	66.01	71.45	76.57	84.55	91.37	106.96	124.67	146.52	205.02	326.35

MEAN	5.416	7.248	8.562	9.491	10.453	11.327	12.536	13.637	16.108	18.320	22.166	31.756	60.829
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.087	1.244	1.439	1.422	1.204	1.113	.966	1.051	1.262	1.586	1.396	1.419	.405
NORMALIZED MAX	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700	.700	.400

KURTOSIS	3.342	4.483	4.942	4.657	4.017	3.915	3.694	3.877	5.342	6.393	5.527	5.964	2.776
N	61	62	61	62	61	61	62	62	62	62	62	62	62
RECORD YEAR	1941	1965	1963	1909	1909	1909	1965	1909	1909	1909	1909	1909	1909
RECORD MAXIMUM	9.580	16.030	18.470	22.240	22.940	23.710	26.230	30.820	40.590	48.600	55.230	79.480	108.300
NORMALIZED MAX	1.881	2.929	2.722	2.961	2.732	2.582	2.636	2.965	3.065	3.690	3.532	3.726	2.794
CALC. COEF. VAR	.409	.431	.425	.454	.433	.423	.414	.425	.422	.448	.422	.403	.279
REBN. COEF. VAR	.341	.377	.396	.377	.389	.384	.383	.386	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291

MEAN/A	.0890	.1192	.1408	.1560	.1718	.1862	.2061	.2242	.2548	.3012	.3644	.5221	1.0000
RP1/A	.1298	.1793	.2155	.2391	.2620	.2820	.3118	.3386	.3971	.4569	.5461	.7760	1.3832
RP25/A	.1518	.2139	.2571	.2800	.3099	.3323	.3591	.3850	.4539	.5335	.6324	.8988	1.5472
RP50/A	.1575	.2389	.2872	.3161	.3446	.3700	.4033	.4753	.5971	.7571	.8581	.9887	1.5486
RP100/A	.1828	.2634	.3163	.3472	.3782	.4023	.4395	.4705	.5931	.6301	.7492	1.6061	1.7611
RP1000/A	.2310	.3418	.4092	.4455	.4843	.5102	.5524	.5858	.6587	.7959	.9232	1.3034	2.0668
RP10000/A	.2768	.4174	.4982	.5391	.5853	.6121	.6583	.6929	.7674	.9424	1.0832	1.5270	2.3377
PMP/A	.5445	.7930	.9769	1.0852	1.1746	1.2588	1.3900	1.5021	1.7584	2.0495	2.4067	3.3803	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 24 2560 19 19N 07E 0 M 39.483 121.223 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.54	7.41	9.07	10.23	11.17	12.33	13.94	15.41	18.58	20.07	23.99	35.65	66.12
5	7.40	10.23	12.68	14.27	15.49	16.98	19.13	21.03	25.11	27.53	32.48	47.96	83.45
10	8.60	12.11	15.04	16.88	18.27	19.93	22.35	24.46	28.45	32.09	37.57	55.33	93.27
20	9.71	13.88	17.26	19.30	20.85	22.64	25.29	27.56	32.35	36.20	42.13	61.93	101.78
25	10.06	14.44	17.95	20.05	21.65	23.48	26.20	28.50	33.38	37.46	43.04	64.33	104.33
40	10.23	15.59	19.70	20.42	22.04	25.20	28.65	30.34	35.44	39.03	43.67	66.04	109.46
50	11.10	16.13	20.05	22.42	24.22	27.00	30.34	33.34	38.43	41.33	47.44	69.62	118.00
100	12.21	17.78	22.08	24.51	26.42	28.43	31.51	34.04	39.30	44.61	51.55	75.58	118.75
200	13.10	19.40	24.07	26.65	28.70	30.76	34.02	36.64	42.04	48.26	55.29	81.01	125.30
1000	15.31	23.08	28.56	31.45	33.83	36.05	39.61	42.38	48.02	55.89	63.52	92.93	139.37
10000	18.35	28.18	34.78	38.08	40.89	43.25	47.19	50.13	55.94	66.18	74.53	108.88	157.63
PMP	36.09	53.54	68.20	76.61	82.05	88.94	99.66	108.67	128.18	143.92	165.73	241.02	361.76

MEAN	5.902	8.645	9.827	11.015	12.004	13.157	14.775	16.220	19.304	21.149	25.072	37.223	67.430
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.839	1.496	1.591	1.352	1.165	.885	.705	.565	.359	1.018	.653	.204	-0.084
NORMALIZED MAX	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700	.700	.400

KURTOSIS	3.194	5.988	6.829	5.564	4.657	3.503	3.044	2.830	2.789	5.359	3.539	2.537	1.944
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	9.930	17.170	22.650	24.980	25.210	25.210	27.110	30.180	34.090	46.740	46.190	61.240	95.200
NORMALIZED MAX	1.907	3.002	3.331	3.233	2.918	2.405	2.294	2.360	2.304	3.323	2.689	2.062	1.573
CALC. COEF. VAR	.358	.378	.392	.392	.377	.381	.384	.365	.332	.364	.343	.313	.262
REBN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.368	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0875	.1193	.1457	.1634	.1780	.1951	.2191	.2405	.2863	.3137	.3718	.5520	1.0000
RP1/A	.1276	.1795	.2231	.2503	.2709	.2956	.3315	.3627	.4293	.4759	.5571	.8206	1.3832
RP25/A	.1492	.2162	.2652	.3211	.3462	.3885	.4257	.4674	.5558	.6453	.7353	.9172	1.4722
RP50/A	.1647	.2393	.2871	.3310	.3536	.4245	.4648	.5402	.6354	.7154	.8169	1.6369	2.0565
RP100/A	.1797	.2437	.3275	.3635	.3916	.4216	.4673	.5048	.5828	.6646	.7645	1.1209	1.7611
RP1000/A	.2270	.3422	.4236	.4664	.5017	.5346	.5874	.6285	.7121	.8288	.9420	1.3702	2.0568
RP10000/A	.2721	.4180	.5158	.5644	.6053	.6415	.6999	.7434	.8296	.9814	1.0512	1.6146	2.3377
PMP/A	.5353	.7940	.10114	1.1361	1.1718	1.4779	1.6117	1.9009	2.1344	2.4576	3.5743	5.3650	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 460 1916 0	STATION NAME CDLGATE PM	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	58
		33	505	16	17N	07E	J	39.331	121.1R8		

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.21	4.22	5.03	5.65	6.23	6.73	7.65	8.52	10.28	11.51	13.93	20.33	39.63
5	4.29	5.83	7.03	7.89	8.64	9.27	10.49	11.62	13.89	15.80	18.86	27.35	50.02
10	4.99	6.90	8.34	9.33	10.19	10.87	12.26	13.52	16.02	18.41	21.82	31.56	55.90
20	5.63	7.92	9.57	10.67	11.63	12.35	13.88	15.23	17.90	20.77	24.46	35.33	61.00
40	5.93	8.44	10.56	11.29	12.49	13.57	15.30	17.83	19.23	22.97	26.81	38.74	62.53
50	5.94	9.20	11.12	12.56	13.93	14.19	15.86	17.33	20.16	23.65	27.66	39.88	61.01
100	7.03	10.14	12.25	13.55	14.73	15.51	17.29	19.82	21.75	25.71	29.93	43.11	71.18
200	7.66	11.07	13.35	14.73	16.01	16.80	18.67	20.25	23.27	27.69	32.11	46.21	75.10
1000	8.86	16.04	15.84	17.39	18.87	19.67	21.73	23.43	26.57	32.06	36.88	53.01	83.53
10000	10.64	16.07	19.29	21.04	22.86	23.66	25.89	27.71	30.94	37.97	43.27	62.10	94.46
PMP	20.93	30.53	37.83	42.35	45.76	48.63	54.68	60.08	70.94	82.57	96.23	137.48	216.84

MEAN	4.580	5.450	6.089	6.695	7.179	8.106	8.967	10.683	12.134	14.558	21.232	40.417
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.933	2.041	1.752	1.453	1.220	1.077	.648	.387	.401	.816	.770	.185
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	8.765	11.089	9.043	6.741	5.777	4.074	3.382	2.615	2.964	4.364	3.816	3.368	2.359
N	68	68	68	68	68	68	68	68	68	68	68	68	68
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	8.050	12.460	14.210	20.240	16.070	16.070	16.070	16.070	21.670	26.870	30.770	41.270	67.040
NORMALIZED MAX	3.685	4.462	4.255	4.099	3.941	3.441	2.869	2.955	2.921	3.299	3.035	2.692	2.460
CALC. COEF. VAR	.367	.385	.363	.367	.355	.380	.342	.345	.352	.380	.337	.351	.267
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0847	.1135	.1349	.1507	.1657	.1776	.2006	.2219	.2643	.3002	.3602	.5253	.1.0000
RP10/A	.1234	.1708	.2064	.2309	.2521	.2690	.3034	.3345	.3968	.4555	.5329	.7887	.1.3826
RP20/A	.1494	.2044	.2401	.2670	.2830	.2980	.3256	.3556	.4170	.4750	.5515	.7851	.1.3777
RP50/A	.1594	.2076	.2751	.3053	.3322	.3510	.3776	.4267	.4988	.5852	.6844	.9868	.1.6580
RP100/A	.1739	.2509	.3030	.3353	.3645	.3838	.4278	.4656	.5362	.6361	.7406	.1.0667	.1.7611
RP1000/A	.2197	.3265	.3920	.4302	.4669	.4867	.5377	.5797	.6575	.7933	.9126	.1.3115	.2.0668
RP10000/A	.2633	.3977	.4773	.5206	.5642	.5839	.6407	.6857	.7660	.9393	.1.0707	.1.5363	.2.3377
PMP/A	.5180	.7555	.9359	1.0478	1.1322	1.2007	1.3529	1.4865	1.7551	2.0429	2.3809	3.4015	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 460 2334 0	STATION NAME DEER CREEK PM	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	29
		39	3700	35	17N	10E	M	39.300	120.850		

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.28	7.21	8.85	10.00	10.99	11.93	13.38	14.76	17.53	19.54	23.24	33.70	65.72
5	7.05	9.96	12.38	13.95	15.24	18.43	18.36	20.14	23.69	26.80	31.47	45.44	82.94
10	8.19	11.79	14.60	16.50	17.98	19.28	21.46	23.43	27.31	31.24	36.24	52.43	92.70
20	9.25	13.52	16.85	18.86	20.52	21.90	24.28	26.40	30.52	35.24	40.82	58.63	101.16
25	9.58	13.72	17.52	19.60	21.31	22.72	25.15	27.31	31.49	36.47	42.16	59.07	103.67
40	9.74	15.18	18.92	19.95	21.20	24.36	25.93	29.01	33.46	38.90	44.70	64.47	111.79
50	10.49	15.91	19.73	20.92	22.32	24.76	27.75	30.82	34.37	39.13	44.16	65.25	111.12
100	11.54	17.32	21.56	23.96	26.08	27.51	30.25	32.61	37.08	43.62	49.95	71.62	116.02
200	12.47	18.89	23.20	26.05	28.25	29.70	32.66	35.10	39.66	46.98	53.57	76.72	124.53
1000	14.58	22.47	27.88	30.74	33.30	34.86	38.02	46.80	45.30	54.41	61.54	88.01	138.52
10000	17.48	27.44	33.95	37.20	40.45	41.85	45.31	48.02	52.78	64.42	72.21	103.14	156.67
PMP	34.37	52.14	66.57	74.89	80.77	86.06	95.67	104.11	126.93	140.11	160.57	228.38	359.55

MEAN	5.621	7.834	9.592	10.767	11.817	12.730	14.184	15.539	18.213	20.589	24.292	35.270	67.019
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.944	1.410	1.342	1.252	1.317	1.233	1.240	1.266	1.177	1.446	1.175	.811	.273
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.800	.700	.700	.400

KURTOSIS	3.016	4.633	4.445	4.124	4.743	4.548	4.849	5.087	4.766	6.821	4.585	3.172	2.179
N	60	80	80	60	80	60	60	60	60	60	60	60	60
RECORD YEAR	1914	1956	1963	1963	1956	1956	1956	1956	1909	1965	1969	1969	1943
RECORD MAXIMUM	0.190	16.363	20.340	23.150	28.470	29.720	33.390	36.040	42.470	52.410	56.320	73.440	109.670
NORMALIZED MAX	1.748	2.668	2.618	2.581	3.165	3.074	3.186	3.083	3.130	3.426	3.332	2.731	2.142
CALC. COEF. VAR	.363	.427	.428	.446	.445	.434	.425	.428	.426	.451	.435	.396	.297
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0039	.1169	.1431	.1607	.1763	.1899	.2116	.2319	.2719	.3072	.3625	.8263	.1.0000
RP10/A	.1222	.1759	.2191	.2462	.2683	.2877	.3262	.3476	.4075	.4661	.5242	.7822	.1.3525
RP20/A	.1428	.2098	.2615	.2954	.3131	.3475	.3753	.3950	.4470	.5002	.5492	.7930	.1.3525
RP50/A	.1428	.2098	.2615	.2955	.3132	.3475	.3754	.3951	.4480	.5012	.5498	.6887	.9886
RP100/A	.1721	.2594	.3210	.3575	.3880	.4104	.4516	.4866	.5533	.6509	.7453	.1.0697	.1.7611
RP1000/A	.2175	.3353	.4160	.4587	.4969	.5204	.5673	.6056	.6759	.8118	.9163	.1.3139	.2.0608
RP10000/A	.2607	.4095	.5066	.5551	.6005	.6244	.6760	.7165	.7875	.9613	.1.0747	.1.5393	.2.3377
PMP/A	.5129	.7779	.9933	1.1111	1.2051	1.2840	1.4275	1.5534	1.8044	2.0905	2.3959	3.4074	.5365

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 460 2456 0 DOBBINS COLBANE 43 1550 09 17N 07E 0 M 39°34.0 121°19.4 CODE 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	3.32	4.52	5.27	5.94	6.46	7.05	7.95	8.75	10.53	11.72	14.26	20.95	40.64
5	4.44	6.24	7.37	8.29	8.96	9.71	10.91	11.94	14.23	16.08	19.31	28.16	51.54
10	5.16	7.08	8.75	9.56	10.57	11.46	12.75	13.94	16.34	18.14	22.03	32.21	57.60
20	5.82	8.47	10.40	11.21	12.07	13.43	14.43	16.65	18.34	21.14	25.05	36.39	67.24
25	6.03	8.81	10.44	11.64	12.93	13.43	14.95	16.18	18.92	21.88	25.67	37.57	68.43
40	6.13	9.51	11.27	11.86	12.76	14.41	16.00	17.28	20.11	23.38	27.55	39.98	67.60
50	6.66	9.84	11.66	12.95	13.94	14.87	16.49	17.79	20.65	24.07	28.32	41.09	69.05
100	7.26	10.85	12.84	14.28	15.29	16.26	17.98	19.33	22.28	26.17	30.65	44.42	73.34
200	7.85	11.84	14.00	15.48	16.61	17.60	19.41	20.80	23.83	28.18	32.89	47.69	77.38
500	9.18	13.84	16.08	17.21	17.58	20.63	22.97	24.68	27.52	32.77	37.57	56.16	97.35
1000	11.00	17.19	20.23	22.21	23.37	26.92	29.71	32.71	36.64	44.31	63.98	93.35	
PMP	21.04	32.66	39.66	44.49	47.50	50.86	56.85	61.70	72.67	84.04	98.54	141.63	233.42

MEAN	3.536	4.908	5.714	6.397	6.950	7.524	8.429	9.209	10.944	12.350	14.907	21.873	41.644
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.800	2.171	1.909	1.565	1.378	1.182	.824	.576	.294	.719	.866	.535	.089
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	8.468	10.742	8.967	6.666	5.477	4.686	3.238	2.634	2.886	3.743	3.647	2.918	2.204
N	66	66	66	66	66	66	66	66	66	66	66	66	66
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	8.100	13.000	15.120	19.450	17.420	17.000	17.400	20.900	21.000	21.11	21.92	24.200	64.200
NORMALIZED MAX	3.666	4.403	4.278	3.920	3.680	2.737	2.737	2.737	2.737	2.737	3.206	3.063	7.637
CALC., COEF., VAR	.352	.393	.392	.401	.409	.394	.390	.372	.356	.377	.369	.350	.263
REGN., COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0850	.1170	.1372	.1536	.1669	.1807	.2024	.2211	.2628	.2966	.3580	.5252	1.0000
RP10/A	.1238	.1773	.2101	.2554	.2539	.2737	.3062	.3334	.3941	.4499	.5364	.7808	.1382
RP25/A	.1448	.2115	.2507	.2791	.3010	.3224	.3589	.3886	.4544	.5253	.6212	.7803	.1547
RP50/A	.1599	.2363	.2799	.3113	.3347	.3570	.3961	.4273	.4959	.5781	.6802	.8966	.16580
RP100/A	.1744	.2605	.3084	.3419	.3673	.3904	.4317	.4661	.5350	.6293	.7360	.9069	.16565
RP1000/A	.2204	.3380	.3984	.4386	.4703	.4956	.5426	.5778	.6536	.7837	.9069	.91313	.20666
RP10000/A	.2642	.4128	.4857	.5308	.5684	.5939	.6465	.6838	.7615	.9279	.9640	.15363	.23377
RP/M/A	.5196	.7643	.9523	.10484	.11406	.12213	.13652	.14818	.17449	.20160	.23661	.34009	.53650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 460 2500 0 DOWNIEVILLE RS 44 2895 35 20N 10E E M 39°55.9 120°03.0 CODE 46

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	6.66	8.46	7.86	8.84	9.67	10.45	11.89	13.14	15.63	17.39	21.18	30.64	60.15
5	6.22	8.91	10.99	12.33	13.42	14.49	16.33	17.93	21.12	23.86	28.68	41.21	75.90
10	7.23	10.55	13.04	14.58	15.83	16.90	19.06	20.85	24.35	27.80	33.17	47.55	84.83
20	8.16	12.10	14.56	16.61	18.66	21.57	23.20	27.41	31.37	37.20	53.22	92.58	
25	8.45	12.59	15.56	17.62	19.66	21.92	24.52	28.67	32.46	38.64	54.55	94.00	
40	8.60	13.59	16.80	17.64	19.10	21.37	23.92	25.96	29.83	34.49	49.92	58.47	99.56
50	9.33	14.05	17.30	19.28	20.86	22.04	24.65	26.72	30.64	35.72	42.06	60.09	101.69
100	10.18	15.50	19.15	21.18	22.89	24.10	26.87	29.02	33.00	38.83	45.52	64.96	108.01
200	11.01	16.92	20.87	23.03	24.87	26.10	29.01	31.23	35.33	41.82	48.82	69.62	113.97
1000	12.86	20.12	24.77	27.17	29.31	30.56	33.78	36.14	40.39	48.43	56.09	79.88	126.77
10000	15.42	24.57	30.16	32.88	35.43	36.67	40.25	42.74	47.05	57.34	65.86	93.56	143.38
PMP	30.33	46.67	59.13	66.19	71.69	75.41	84.98	92.66	107.81	124.70	146.33	207.12	329.05

MEAN	4.966	7.013	8.520	9.517	10.401	11.155	12.600	13.830	16.237	18.325	22.138	35.188	61.334
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.909	1.373	1.503	1.357	1.084	1.126	.878	.793	.690	.129	.736	.455	.084
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.894	5.409	6.400	5.563	4.596	4.869	3.984	3.944	3.485	5.189	3.670	2.791	2.167
N	65	65	66	66	66	66	66	66	66	66	66	66	66
RECORD YEAR	1963	1963	1963	1963	1965	1956	1956	1956	1965	1965	1956	1956	1952
RECORD MAXIMUM	9.200	15.800	21.000	23.778	23.770	25.890	26.075	30.733	33.210	44.480	46.070	59.330	91.820
NORMALIZED MAX	2.510	3.210	3.769	3.471	3.177	3.040	3.076	3.118	2.241	3.323	2.203	2.398	1.850
CALC., COEF., VAR	.346	.394	.406	.411	.465	.404	.391	.392	.379	.404	.389	.374	.291
REGN., COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0809	.1143	.1389	.1552	.1696	.1819	.2054	.2255	.2647	.2988	.3609	.5215	1.0000
RP10/A	.1174	.1721	.2127	.2787	.2588	.2785	.3108	.3400	.1970	.4533	.5409	.7753	1.1832
RP25/A	.1378	.2052	.2536	.2824	.3059	.3245	.3642	.3963	.4577	.5262	.6264	.8959	.5472
RP50/A	.1522	.2293	.2634	.3144	.3501	.3924	.4020	.4737	.4996	.5824	.6588	.9797	1.6580
RP100/A	.1660	.2528	.3122	.3453	.3732	.3930	.4361	.4732	.5399	.6331	.7421	1.0591	1.7611
RP1000/A	.2097	.3280	.4038	.4431	.4779	.4983	.5507	.5892	.6585	.7895	.9145	1.3021	2.0668
RP10000/A	.2514	.4006	.4917	.5362	.5776	.5979	.6562	.6969	.7671	.8349	.10729	1.5255	2.3377
RP/M/A	.4945	.7610	.9641	1.0792	1.1591	1.2295	1.3856	1.5108	1.7576	2.0332	2.3859	3.3770	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
A60 2513 0 DRUM FOREBAY

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.22	5.92	7.08	8.02	8.98	9.78	10.95	12.09	14.05	15.54	18.73	27.95	56.77
5	5.64	8.17	9.89	11.19	12.45	13.47	15.04	18.50	18.98	21.31	25.36	37.59	71.64
10	6.56	9.67	11.74	13.23	14.69	15.81	17.57	19.19	21.89	24.84	29.34	43.30	80.07
20	7.40	11.08	13.47	15.54	17.64	19.11	21.26	21.65	24.26	28.02	34.09	50.15	97.10
25	7.54	11.14	13.49	15.71	17.41	18.62	20.60	22.06	25.24	28.82	33.98	50.12	89.57
40	7.80	12.46	15.12	17.00	17.73	19.99	22.06	23.88	26.82	30.99	36.18	53.33	93.97
50	8.46	12.89	15.64	17.49	19.38	20.62	22.73	24.59	27.54	31.91	37.20	54.81	95.98
100	9.23	14.21	17.23	19.21	21.25	22.52	24.77	26.70	29.71	34.69	40.25	59.25	101.95
200	9.98	15.50	18.78	20.89	23.08	24.41	26.75	28.74	31.78	37.35	43.17	63.50	107.57
1000	11.67	18.44	22.29	24.65	27.21	28.59	31.14	33.25	36.30	43.28	49.80	72.85	119.65
10000	13.99	22.52	27.14	29.83	32.89	34.30	37.11	39.33	42.29	51.23	58.19	85.35	135.33
PMP/A	27.51	42.78	53.21	60.05	65.99	70.54	76.35	85.86	96.91	111.41	129.40	188.94	310.57
MEAN	4.498	5.428	7.666	8.634	9.655	10.435	11.615	12.725	14.595	16.371	19.577	29.179	57.889
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.256	1.472	1.499	1.501	1.371	1.228	1.152	1.033	0.538	0.736	0.976	.682	.296
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	4.915	4.981	4.894	4.888	4.649	4.338	4.319	4.032	2.951	4.200	4.144	2.937	2.562
N	51	51	51	51	51	51	51	51	51	51	50	50	50
RECORD YEAR	1928	1963	1963	1951	1963	1951	1951	1956	1965	1965	1956	1956	1952
RECORD MAXIMUM	8.420	13.110	16.300	19.260	20.836	22.450	24.320	26.01	28.392	30.700	40.200	56.100	93.570
NORMALIZED MAX	2.378	2.575	2.417	2.655	2.713	2.623	2.477	2.733	2.821	2.929	2.725	2.883	2.099
CALC. COEF. VAR	.368	.393	.412	.397	.421	.401	.401	.404	.426	.390	.387	.294	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
MEAN/A	.0777	.1110	.1325	.1491	.1666	.1863	.2067	.2198	.2521	.2626	.3302	.5041	.1.0000
RP10/A	.1132	.1593	.2026	.2268	.2730	.3028	.3324	.3741	.4299	.5068	.7493	.1.892	
RP20/A	.1154	.1603	.2045	.2286	.2808	.3203	.3603	.4059	.4509	.5889	.8659	.1.5475	
RP50/A	.1462	.2227	.2702	.3022	.3345	.3562	.3927	.4247	.4758	.5513	.6426	.9468	.1.6580
RP100/A	.1595	.2455	.2976	.3119	.3671	.3895	.4280	.4613	.5133	.5992	.6953	.1.0235	.1.7611
RP1000/A	.2015	.3185	.3850	.4259	.4700	.4939	.5379	.5743	.6271	.7473	.8588	.1.2584	.2.0568
RP10000/A	.2416	.3890	.4688	.5154	.5681	.5926	.6410	.6793	.7306	.8049	1.0052	.1.4743	.2.3377
PMP/A	.4752	.7390	.9192	1.0373	1.1400	1.2185	1.3535	1.4727	1.6741	1.9245	2.0354	3.2638	5.3850

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
A60 3571 0 GRASS VALLEY

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.32	5.80	7.03	7.95	8.76	9.47	10.80	11.89	14.12	15.54	18.69	27.22	52.30
5	5.77	8.01	9.04	11.10	12.15	13.04	14.82	16.23	19.07	21.31	25.30	36.62	66.00
10	6.70	9.48	11.67	13.12	14.33	15.30	17.32	18.88	21.99	24.84	29.27	42.25	73.10
20	7.57	10.87	13.39	15.00	16.39	17.38	19.60	21.27	24.57	28.02	32.42	47.70	84.50
25	7.84	11.31	13.93	15.59	16.99	18.03	20.30	22.08	25.80	29.09	33.90	51.95	86.52
40	7.97	12.41	15.12	17.29	18.29	19.24	20.40	22.00	25.04	28.00	31.12	53.39	86.43
50	8.46	12.89	15.55	17.35	18.89	19.94	22.40	24.19	27.67	31.91	37.12	53.39	86.58
100	9.44	13.92	17.13	19.06	20.73	21.83	24.42	26.27	29.86	34.69	40.46	57.72	93.92
200	10.21	15.19	18.64	20.72	22.52	23.64	26.36	28.28	31.94	37.35	43.08	61.86	99.10
1000	11.93	18.07	22.18	24.45	26.54	27.68	30.69	32.71	36.48	43.26	49.49	70.97	110.23
10000	14.30	22.07	26.94	29.59	32.98	32.31	36.57	38.69	42.49	51.23	58.06	83.14	124.86
PMP/A	26.13	41.92	52.91	59.56	64.37	68.29	77.23	83.88	97.57	111.41	129.14	184.05	266.13
MEAN	4.501	6.299	7.624	8.563	9.418	10.100	11.550	12.519	14.665	16.372	19.533	28.425	53.333
CLOCK MR. COR.	1.140	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.169	1.275	1.294	1.192	1.131	.935	.842	.825	.697	1.056	.787	.649	.085
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	4.276	4.858	5.724	4.777	4.704	4.200	3.886	3.988	3.279	4.648	3.649	2.815	2.054
N	73	73	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1914	1963	1963	1963	1956	1956	1885	1909	1965	1911	1911	1907	
RECORD MAXIMUM	8.100	12.320	18.100	19.192	21.250	22.400	24.200	27.570	29.820	37.780	39.120	54.500	79.000
NORMALIZED MAX	2.531	2.751	3.715	3.479	3.322	3.233	3.001	3.142	2.718	3.281	2.650	2.512	1.765
CALC. COEF. VAR	.301	.347	.370	.391	.379	.372	.377	.383	.380	.399	.380	.365	.273
REGN. COEF. VAR	.341	.377	.396	.397	.397	.389	.384	.380	.374	.387	.374	.345	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0863	.1181	.1430	.1606	.1766	.1894	.2147	.2347	.2750	.3070	.3662	.5330	.1.0000
RP10/A	.1257	.1777	.2188	.2460	.2687	.2859	.3248	.3539	.4233	.4457	.5408	.7923	.1.4832
RP20/A	.1470	.2120	.2811	.2922	.3056	.3386	.3735	.4025	.4754	.5430	.6356	.9155	.1.5472
RP50/A	.1523	.2251	.3121	.3523	.3806	.4493	.4579	.4954	.5169	.5984	.6959	.0012	.1.6580
RP100/A	.1717	.2611	.3212	.3573	.4026	.4976	.4976	.4926	.5598	.6504	.7530	.1.0823	.1.7611
RP1000/A	.2237	.3308	.4155	.4585	.4976	.5190	.5755	.6133	.6839	.8112	.9279	.1.3303	.2.0668
RP10000/A	.2682	.4138	.5090	.5568	.6014	.6227	.6857	.7254	.7968	.9605	.1.0887	.1.5588	.2.3377
PMP/A	.5275	.7060	.9921	1.1167	1.2070	1.2804	1.4481	1.5727	1.0257	2.0890	2.4200	3.4511	.53650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 460 3946 0	STATION NAME HIDDEN VALLEY	ELEV 69	SEC 1978	TWP 33	RNG 14N	LOT 08E 0	BWM M	LATITUDE 39.027	LONGITUDE 121.093	COUNTY CODE 29
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.04	3.96	4.73	5.32	5.80	6.26	7.19	8.06	9.29	10.13	12.28	17.60	34.00
5	4.08	5.47	6.62	7.42	8.04	8.63	9.87	11.00	12.55	13.90	16.63	23.94	42.91
10	4.80	6.48	7.84	8.71	9.46	10.12	11.54	12.71	14.47	16.20	19.23	27.62	47.96
20	5.32	6.93	9.31	10.32	10.92	11.50	12.85	14.01	15.87	16.97	20.21	30.26	50.33
25	5.51	7.73	9.37	10.42	11.24	11.93	13.52	14.91	16.69	18.92	22.27	31.92	53.64
40	5.61	8.34	10.12	10.61	11.44	12.80	14.48	15.92	17.73	20.22	23.72	33.92	56.28
50	6.09	8.62	10.47	11.60	12.50	13.21	14.92	16.39	18.21	20.82	24.39	34.90	57.49
100	6.64	9.52	11.53	12.74	13.71	14.44	16.28	17.80	19.65	22.63	26.39	37.73	61.06
200	7.18	10.36	12.57	13.85	14.90	15.64	17.56	19.10	21.02	24.37	28.30	40.44	64.43
1000	10.44	15.50	18.16	19.40	21.22	21.07	24.38	26.22	32.21	37.04	46.39	71.66	
PMP	1.78	2.65	3.81	4.08	4.29	4.38	5.14	5.63	6.48	7.67	8.84	12.03	18.02

MEAN	3.235	4.305	5.131	5.724	6.231	6.683	7.625	8.482	9.651	10.679	12.835	18.581	34.672
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.208	2.275	2.715	2.399	1.855	1.401	.829	.536	.217	.493	.283	.469	.274
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.860	.600	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.860	.600	.800	.700	.700	.700	.400

KURTOSIS	4.574	10.053	12.453	10.728	8.114	5.777	3.453	2.561	2.292	2.469	2.103	2.837	2.097
N	22	23	23	22	22	22	22	22	22	22	22	22	23
RECORD YEAR	1963	1965	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1969
RECORD MAXIMUM	5.500	10.250	14.600	15.500	15.000	15.000	15.000	15.000	15.000	18.000	21.000	25.500	50.760
NORMALIZE MAX	2.054	3.216	3.592	3.503	3.279	2.945	2.148	1.689	2.056	1.922	1.882	1.730	
CALC. COEF. VAR.	.341	.437	.481	.481	.447	.438	.404	.378	.350	.363	.357	.316	.245
REGN. COEF. VAR.	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0933	1.242	1.480	1.651	.1797	.1927	.2199	.2446	.2783	.3060	.3702	.5359	1.0000
RP10/A	.1366	.1868	.2266	.2530	.2734	.2920	.3327	.3689	.4174	.4473	.5547	.7967	.3382
RP25/A	.1590	.2228	.2703	.3005	.3241	.3439	.3900	.4299	.4813	.5456	.6424	.9206	.15472
RP50/A	.1755	.2490	.3019	.3345	.3604	.3809	.4360	.4727	.5253	.5604	.7034	.1.0067	.6560
RP100/A	.1915	.2744	.3326	.3674	.3955	.4165	.4690	.5133	.5667	.6526	.7611	.1.0882	.1.7611
RP1000/A	.2420	.3561	.4302	.4714	.5064	.5281	.5898	.6392	.6923	.8139	.9378	.1.3380	.2.0666
RP10000/A	.2901	.4349	.5238	.5704	.6121	.6336	.7025	.7560	.8066	.9637	.1.003	.1.5475	.2.3377
RP/A	.5705	.8262	1.0271	1.1481	1.2283	1.3030	1.4834	1.6390	1.8482	2.0959	2.4468	3.4701	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 460 4248 50	STATION NAME INDIAN ROCK	ELEV 73	SEC 2240	TWP 10	RNG 18N	LOT 07E 8	BWM M	LATITUDE 39.437	LONGITUDE 121.174	COUNTY CODE 58
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.60	7.75	9.56	10.92	11.99	13.04	14.72	16.41	19.54	21.13	25.16	35.81	66.72
5	7.49	10.71	13.39	15.23	16.63	17.97	20.24	22.39	26.40	28.99	34.07	46.18	81.67
10	8.70	12.67	15.89	18.01	19.62	21.08	23.60	26.05	30.44	33.79	39.41	55.59	91.28
20	10.47	14.52	18.63	20.59	22.39	23.95	26.37	29.35	34.01	38.42	44.24	62.44	99.11
25	10.47	14.52	18.63	20.59	22.39	23.95	26.37	29.35	34.01	38.42	44.24	62.44	102.11
40	13.34	16.31	20.47	21.79	23.68	26.66	29.42	32.42	37.29	42.16	48.61	66.35	107.13
50	11.23	16.88	21.17	23.82	25.86	27.50	30.53	33.38	39.30	43.41	49.98	70.24	109.42
100	12.25	18.61	23.33	26.16	28.37	30.07	33.27	36.25	41.33	47.19	54.08	75.93	116.22
200	13.25	20.31	25.43	28.44	30.82	32.56	35.93	39.02	44.20	50.62	58.00	80.00	122.63
1000	15.46	24.14	30.17	33.56	36.33	38.13	41.82	45.14	50.49	58.85	68.64	83.39	136.40
10000	18.56	29.49	36.74	40.62	43.91	45.75	49.84	53.39	58.62	65.68	76.10	109.31	154.28
PMP	36.50	56.02	72.04	81.75	88.12	94.08	105.24	115.74	134.78	151.54	173.80	242.12	354.06

MEAN	5.968	8.417	10.380	11.754	12.893	13.917	15.603	17.275	20.298	22.270	26.302	37.393	65.995
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.697	1.257	1.527	1.238	.936	.773	.525	.321	-.017	.769	.850	.412	-.0033
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.400

KURTOSIS	3.051	4.647	6.085	4.010	3.643	3.241	2.691	2.368	2.648	4.497	3.374	2.643	2.409
N	20	20	20	20	20	20	20	20	20	20	20	19	19
RECORD YEAR	1960	1963	1963	1963	1963	1956	1956	1956	1965	1965	1965	1958	1958
RECORD MAXIMUM	6.750	16.550	22.650	24.550	24.000	25.000	27.000	29.000	33.000	44.000	47.000	65.000	100.000
NORMALIZE MAX	1.37	2.03	2.15	2.558	2.210	1.874	1.943	1.864	1.854	2.642	2.131	2.010	1.716
CALC. COEF. VAR.	.348	.421	.435	.426	.415	.415	.384	.361	.408	.387	.374	.365	.291
REGN. COEF. VAR.	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0964	1.275	1.573	.1781	.1954	.2169	.2364	.2618	.3076	.3374	.3905	.5666	1.0000
RP10/A	.1316	.1919	.2468	.2799	.2973	.3194	.3577	.3947	.4512	.5120	.5972	.8423	.1.3822
RP25/A	.1541	.2289	.2873	.3242	.3524	.3763	.4192	.4600	.5318	.5977	.6917	.9733	.1.5472
RP50/A	.1702	.2556	.3209	.3609	.3918	.4167	.4626	.5057	.5804	.6578	.7573	.1.0643	.1.6580
RP100/A	.1856	.2619	.3534	.3964	.4299	.4557	.5042	.5493	.6262	.7150	.8194	.1.1505	.1.7611
RP1000/A	.2346	.3688	.4572	.5086	.5505	.5778	.6338	.6839	.7650	.8517	.9109	.1.4146	.2.0668
RP10000/A	.2812	.4648	.5587	.6154	.6554	.6933	.7552	.8089	.8913	.9552	.1.0552	.1.1807	.2.3377
RP/A	.5530	.8466	1.0915	1.2388	1.3393	1.4298	1.5947	1.7558	2.0423	2.2983	2.6354	3.6007	5.3580

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 4713 0	STATION NAME LAKE SPAULDING	ELEV 80	SEC 5156	TWP 21	RNG 17N	LOT 12E	N M	LATITUDE 39°31'9"	LONGITUDE 120°6'37"	COUNTY CODE 29			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.85	6.85	8.21	9.26	10.30	11.23	12.58	13.88	16.48	18.14	22.09	32.35	64.44
5	6.68	9.45	11.48	12.92	14.29	15.47	17.27	18.94	22.27	24.86	29.91	43.52	81.32
10	7.53	11.19	13.62	15.28	16.85	18.15	20.18	22.03	25.67	29.00	34.60	50.21	90.89
20	8.51	12.88	15.62	17.47	19.24	20.52	22.84	24.82	28.69	32.72	38.79	56.20	99.18
25	8.81	13.35	16.25	18.15	19.98	21.38	23.65	25.57	29.60	33.88	40.07	58.02	101.00
40	8.96	14.11	17.54	19.84	21.29	22.59	25.33	27.42	31.04	34.87	41.67	61.45	101.67
50	9.12	14.91	18.15	20.20	22.21	23.68	26.24	28.23	31.31	37.26	43.87	63.45	108.95
70	10.61	15.94	19.99	22.19	24.38	25.89	29.05	30.66	34.88	40.50	47.47	66.59	115.72
100	11.47	17.93	21.79	24.13	26.48	28.04	30.72	33.00	37.29	43.62	50.92	73.51	122.10
1000	13.40	21.33	25.86	28.47	31.21	32.83	35.76	38.17	42.59	50.51	58.49	84.32	135.81
10000	16.07	26.05	31.49	34.46	37.72	39.39	42.61	45.15	49.61	59.81	66.63	98.79	153.61
PMP	31.60	49.49	61.74	69.35	75.71	81.00	89.98	97.89	113.66	130.07	152.61	218.60	352.53

MEAN	7.436	8.696	9.972	11.076	11.963	13.340	14.610	17.121	19.114	23.088	33.776	65.709	
CLOCK HR., COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.453	1.700	1.516	1.549	1.708	1.588	1.542	1.412	1.142	1.625	1.152	.721	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.700	.700	.400	
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.700	.700	.400	
KURTOSIS	6.218	6.587	5.977	6.090	7.126	6.855	6.649	6.057	4.937	7.118	4.854	3.245	2.390
N	70	70	70	70	70	70	70	70	70	70	70	70	
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	
RECORD MAXIMUM	11.550	17.59	23.05	27.40	30.77	32.50	36.21	39.26	42.68	54.870	56.970	70.240	102.560
NORMALIZED MAX	3.233	3.255	3.649	3.645	3.925	3.866	3.890	3.809	3.581	4.165	3.457	2.684	1.940
CALC. COEF. VAR	.382	.420	.438	.453	.453	.443	.443	.443	.447	.449	.425	.402	.289
REGN. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0787	.1132	.1354	.1518	.1686	.1824	.2030	.2223	.2506	.2909	.3514	.5140	1.0000
RP10/A	.1146	.1703	.2072	.2325	.2565	.2762	.3071	.3353	.3907	.4413	.5265	.7641	.13832
RP25/A	.1361	.2031	.2473	.2731	.3040	.3254	.3500	.3875	.4505	.5153	.6009	.8101	.16000
RP50/A	.1406	.2259	.2842	.3175	.3471	.3744	.4093	.4296	.4910	.5577	.6566	.8566	.16560
RP100/A	.1514	.2402	.3042	.3577	.3710	.3946	.4330	.4666	.5305	.6164	.7224	.1.0438	.1.7111
RP1000/A	.2040	.3246	.3935	.4333	.4750	.4997	.5442	.5809	.6481	.7667	.8902	.1.2833	.2.0668
RP10000/A	.2445	.3964	.4792	.5244	.5741	.5995	.6485	.6871	.7550	.8912	1.0444	.1.5035	.2.3377
RPMP/A	.4810	.7531	.9396	1.0555	1.1521	1.2328	1.3694	1.4897	1.7301	i.9795	2.3226	3.3283	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 6136 0	STATION NAME NEVADA CITY	ELEV 99	SEC 2600	TWP 07	RNG 16N	LOT 09E	P M	LATITUDE 39°25'8"	LONGITUDE 121°01'11"	COUNTY CODE 29			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	5.56	6.69	7.53	8.29	8.99	10.18	11.30	13.51	15.03	18.12	26.43	51.05
5	5.43	7.68	9.35	10.51	11.50	12.38	13.97	15.42	16.25	20.61	24.53	35.55	64.42
10	6.30	9.09	11.09	12.62	13.57	14.53	16.32	17.93	21.04	24.02	28.41	41.02	72.01
20	7.12	10.42	12.73	14.20	15.49	16.56	18.47	20.21	23.52	27.10	31.82	45.91	78.57
25	7.37	10.84	13.24	14.74	16.08	17.11	19.13	20.90	24.27	26.05	32.87	47.40	80.54
40	7.50	11.71	14.29	15.03	16.38	17.83	18.37	20.49	22.32	25.79	29.97	35.00	64.54
50	8.11	12.11	14.11	14.81	16.24	17.80	19.25	20.91	22.68	26.68	31.67	37.99	64.84
100	8.69	13.35	16.29	18.64	19.92	21.22	23.01	24.96	28.57	33.65	38.94	56.04	91.57
200	9.60	15.57	17.75	19.61	21.32	22.44	24.85	26.86	30.56	36.13	41.77	60.05	96.73
1000	11.22	17.33	21.05	23.15	25.13	26.28	28.93	31.03	36.91	41.64	47.86	68.60	107.59
10000	13.45	21.16	25.65	28.61	30.37	31.53	34.47	36.76	40.67	49.54	56.29	80.72	121.69
PMP	26.45	40.20	50.29	56.38	60.95	64.84	72.78	79.68	93.18	107.75	125.18	178.66	279.27
MEAN	4.326	6.940	7.474	8.107	8.917	9.591	10.791	11.893	14.034	15.834	16.938	27.596	52.555
CLOCK HR., COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.734	1.181	1.654	1.494	1.276	1.252	.921	.765	.549	.973	.756	.467	.100
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.800	.700	.700	.400
KURTOSIS	3.180	6.580	8.344	6.841	5.763	5.614	3.973	3.676	2.978	4.692	3.799	2.723	2.236
N	85	85	85	85	85	85	85	85	85	85	85	85	84
RECORD YEAR	1963	1963	1963	1963	1963	1963	1956	1956	1956	1965	1965	1965	1969
RECORD MAXIMUM	7.070	13.330	19.040	20.960	20.960	22.940	24.670	26.260	26.650	37.660	38.830	52.640	79.130
NORMALIZED MAX	2.102	3.745	4.438	4.192	3.659	3.703	3.400	3.356	2.796	3.605	2.864	2.524	1.904
CALC. COEF. VAR	.302	.322	.367	.378	.369	.376	.378	.378	.373	.382	.367	.360	.273
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0831	.1160	.1392	.1557	.1713	.1843	.2073	.2285	.2696	.3042	.3638	.5301	1.0000
RP10/A	.1211	.1746	.2131	.2386	.2607	.2791	.3136	.3445	.4043	.4615	.5452	.7881	1.3832
RP25/A	.1416	.2083	.2543	.2835	.3096	.3266	.3675	.4015	.4661	.5388	.6314	.7816	1.5422
RP50/A	.1564	.2374	.2840	.3156	.3436	.3641	.4056	.4508	.5088	.5874	.6733	.7958	1.5600
RP100/A	.1705	.2565	.3180	.3467	.3779	.4071	.4476	.4875	.5285	.5945	.6845	.7400	1.7611
RP1000/A	.2155	.3248	.4047	.4467	.4879	.5249	.5567	.5970	.6266	.6938	.7958	1.0014	1.5562
RP10000/A	.2584	.4465	.4927	.5381	.5835	.6057	.6621	.7061	.7812	.8038	.9217	1.3235	2.3377
RPMP/A	.5082	.7723	.9662	1.082	1.1709	1.2456	1.3982	1.5308	1.7901	2.0699	2.4048	3.4324	5.3650

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
85N ORDER SUB A60 6606 0	STRAWBERRY VALLEY	132	3608	29	20N	08E	L	39°54.3	121°10.9	58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS N-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	800	3650
2	6.48	9.35	11.42	12.91	14.05	15.16	17.36	19.34	23.33	25.81	30.61	43.65	83.00	
5	8.65	12.90	15.97	18.01	19.48	20.89	23.82	26.40	31.52	35.41	41.45	58.71	104.74	
10	10.06	15.28	18.95	21.30	22.99	24.51	27.74	31.50	36.44	40.46	45.27	67.75	111.07	
20	11.49	17.52	21.34	24.23	26.23	27.24	30.87	34.53	39.79	44.19	48.18	62.53	127.95	
25	11.76	18.22	22.61	25.30	27.24	28.87	32.53	35.79	41.91	46.18	52.53	67.29	130.95	
40	11.96	19.68	24.41	25.76	27.74	30.99	34.94	38.22	44.53	51.49	59.14	83.30	137.39	
50	12.98	20.38	25.25	28.16	30.29	31.98	36.01	39.35	45.74	53.02	60.80	85.61	140.33	
100	14.16	22.44	27.81	30.93	33.24	34.96	39.24	42.74	49.34	57.63	65.79	92.54	149.05	
200	15.31	24.48	30.32	33.63	36.11	37.86	42.37	46.00	52.78	62.07	70.57	99.18	157.27	
1000	17.90	27.35	35.98	39.69	42.55	44.34	49.33	53.21	60.28	71.68	81.07	113.78	174.93	
10000	21.45	35.56	43.11	51.44	53.20	58.48	62.86	67.23	85.41	95.14	133.09	187.85		
PMP/A	42.20	67.56	85.89	96.87	103.24	104.39	124.12	136.45	160.93	185.10	211.51	293.09	484.07	

MEAN	6.901	10.152	12.377	13.899	15.104	16.181	18.402	20.366	24.236	27.201	31.999	45.573	84.636
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.329	1.533	1.341	1.239	1.370	1.348	.990	.847	.529	.944	.792	.454	.050
REGIONAL SKEW	1.166	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.769	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.769	.700	.400

KURTOSIS	4.632	5.247	5.146	4.765	5.071	5.101	4.132	3.965	3.301	4.622	3.925	3.237	1.904
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1963	1963	1963	1963	1963	1963	1956	1956	1956	1965	1956	1956	1956
RECORD MAXIMUM	11.750	20.938	24.400	26.740	31.800	34.846	39.560	40.400	45.340	47.700	59.570	80.400	121.600
NORMALIZED MAX	1.490	2.400	2.485	2.673	2.673	2.510	2.504	2.504	2.507	2.666	2.223	2.406	1.675
CALC. COEF. VAR.	.366	.422	.390	.387	.414	.417	.393	.386	.374	.384	.355	.322	.260
REGN. COEF. VAR.	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR.	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.6915	.1199	.1462	.1642	.1785	.1912	.2174	.2406	.2864	.3214	.3781	.5385	1.0000
RP10/A	1.188	1.805	2.239	2.516	2.719	2.896	3.289	3.628	4.294	4.876	5.660	8.004	1.382
RP25/A	1.396	2.153	2.671	2.989	3.219	3.412	3.855	4.229	4.981	5.693	6.562	9.250	1.5472
RP50/A	1.534	2.401	2.983	3.327	3.579	3.778	4.254	4.649	5.404	6.265	7.184	10.015	1.6580
RP100/A	1.674	2.652	3.286	3.654	3.927	4.131	4.637	5.050	5.830	6.610	7.773	10.934	1.7611
RP1000/A	2.215	3.440	4.251	4.689	5.029	5.523	5.828	6.287	7.123	8.493	9.979	13.443	2.0668
RP10000/A	.2535	.4202	.5176	.5674	.6078	.6285	.6945	.7437	.8298	1.0056	1.1238	1.5750	2.3377
PMP/A	.4986	.7983	1.0149	1.1421	1.2198	1.2924	1.4865	1.6122	1.7014	2.0767	2.4999	3.4865	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
85N ORDER SUB A70 303 0	AUBURN	2	1300	10	12N	08E	O	38°8.99	121°0.69	31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS N-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	800	3650
2	2.62	3.86	4.53	5.02	5.56	5.97	6.65	7.42	8.82	9.84	11.85	17.20	33.28	
5	3.77	5.33	6.33	7.00	7.71	8.23	9.13	10.13	11.91	13.50	16.04	23.14	42.00	
10	4.38	6.31	7.51	8.68	9.10	9.65	10.66	11.78	13.73	15.74	18.56	26.70	46.94	
20	4.95	7.34	8.62	10.04	10.38	10.97	12.07	13.27	15.75	17.76	20.81	29.16	51.22	
25	5.12	7.53	8.87	10.37	10.83	11.37	12.50	13.78	15.86	17.84	20.85	28.50	52.59	
40	5.21	8.03	9.86	10.62	10.98	11.52	12.71	13.98	15.86	17.84	20.85	28.89	52.99	
50	5.65	8.41	10.01	10.55	11.99	12.59	13.79	15.09	17.29	20.22	23.53	33.74	56.27	
100	6.17	9.27	11.03	12.02	13.18	13.77	15.03	16.39	18.65	21.98	25.46	36.47	59.76	
200	6.67	10.12	12.02	13.07	14.29	14.91	16.23	17.64	19.95	23.67	27.31	39.09	63.06	
1000	7.79	12.03	14.27	15.43	16.85	17.46	18.90	20.41	22.78	27.41	31.39	44.84	70.14	
10000	9.34	14.89	17.37	18.67	20.36	20.95	22.52	24.14	26.54	32.46	36.81	52.53	79.33	
PMP/A	18.38	27.91	34.07	37.58	40.86	43.68	47.55	52.34	60.82	70.59	81.86	116.29	182.66	

KURTOSIS	4.535	7.088	7.747	8.011	8.780	9.922	2.839	2.645	2.741	3.287	3.168	2.990	2.462	
N	76	76	76	76	76	76	76	76	76	76	76	76	76	
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1969	1969	1969	1969	1967	
RECORD MAXIMUM	5.410	9,660	12,560	13,860	13,860	13,860	13,860	13,860	15,490	18,540	21,250	23,290	33,320	56,730
NORMALIZED MAX	2.861	3.940	4.232	3.979	3.940	3.120	2.622	2.422	2.030	2.492	2.952	2.525	2.543	2.389
CALC. COEF. VAR.	.366	.330	.366	.393	.377	.356	.367	.378	.354	.355	.355	.369	.366	.371
REGN. COEF. VAR.	.341	.377	.396	.397	.389	.364	.383	.380	.376	.387	.374	.365	.374	.391
USED COEF. VAR.	.341	.377	.396	.397	.389	.364	.383	.380	.376	.387	.374	.365	.374	.391

MEAN/A	.0086	.1236	.1447	.1592	.1762	.1876	.2077	.2302	.2699	.3057	.3649	.5292	1.0000
RP10/A	.130	.1910	.2214	.2440	.2664	.2944	.3143	.3471	.4047	.4537	.5494	.7867	1.3832
RP25/A	.1509	.2218	.2442	.2609	.2777	.3051	.3363	.3645	.4467	.5154	.6334	.9091	1.3472
RP50/A	.1668	.2478	.2951	.3228	.3533	.3711	.4055	.4400	.5093	.5598	.6934	.9942	1.6580
RP100/A	.1818	.2732	.3251	.3543	.3877	.4056	.4430	.4831	.5495	.6476	.7503	1.0747	1.7611
RP1000/A	.2297	.3545	.4205	.4547	.4964	.5145	.5569	.6015	.6713	.7677	.9246	1.3213	2.0658
RP10000/A	.2753	.4330	.5120	.5502	.6000	.6174	.6636	.7114	.7821	.8564	.9584	1.5480	2.3377
PMP/A	.5415	.8225	1.0039	1.1074	1.2040	1.2895	1.4012	1.5423	1.7921	2.0800	2.4123	3.4260	5.3650

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 897 0	STATION NAME BLUE CANYON AP	ELEV 8	SEC 5280	TWP 02	RNG 16N	LOT 11E	BWM P	LATITUDE M	LONGITUDE 39°27'9"	COUNTY CODE 31
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.38	6.38	7.72	8.70	9.70	10.65	12.12	13.37	15.91	17.65	21.16	30.76	60.82
5	5.85	8.81	10.79	12.14	13.45	14.66	16.63	18.25	21.50	24.22	28.65	41.38	76.75
10	6.79	10.43	12.90	14.35	15.87	17.22	19.44	21.23	24.79	26.23	33.14	47.74	85.78
20	7.67	11.96	14.69	16.41	18.11	19.57	21.99	23.92	27.70	31.85	37.15	53.43	93.61
25	7.95	12.44	15.28	17.05	18.81	20.29	22.78	24.74	28.58	32.95	38.38	55.17	95.98
40	8.08	13.44	16.49	17.30	19.11	21.78	24.39	26.97	30.47	35.21	40.87	59.33	100.68
50	8.77	13.94	17.04	18.60	20.22	22.14	25.14	27.26	30.19	33.66	42.62	59.23	103.83
100	9.57	15.32	18.79	20.84	22.95	24.57	27.40	29.54	33.65	39.42	45.46	65.21	109.22
200	10.35	16.72	20.49	22.66	24.93	26.00	29.58	31.80	36.00	42.45	48.77	69.89	115.24
1000	12.09	19.08	24.31	26.74	29.39	31.16	34.44	36.78	41.11	49.16	56.02	80.18	128.19
10000	14.49	24.28	29.60	32.38	35.52	37.38	41.04	43.51	47.90	58.21	65.73	93.94	144.98
PMP	26.51	46.13	58.04	65.13	71.29	76.87	86.66	94.32	109.75	126.06	146.17	207.94	332.74

MEAN	4.662	6.932	8.363	9.365	10.430	11.371	12.848	14.078	16.529	18.604	22.113	32.115	62.020
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.195	1.279	1.584	1.544	1.608	1.523	1.315	1.265	1.011	1.245	1.027	.700	.293
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	4.719	4.722	5.545	5.496	6.026	5.940	4.980	4.727	3.971	5.009	3.997	3.113	2.367
N	70	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1966
RECORD MAXIMUM	9.330	15.240	19.790	22.930	26.470	28.790	32.490	34.660	37.890	47.410	49.740	67.800	106.350
NORMALIZED MAX	2.565	2.925	2.973	3.094	3.322	3.399	3.340	3.181	2.946	3.429	2.828	2.715	2.185
CALC. COEF. VAR	.400	.410	.460	.468	.463	.451	.456	.460	.439	.452	.442	.409	.327
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0752	.1118	.1348	.1510	.1682	.1833	.2072	.2270	.2665	.3000	.3565	.5710	1.0000
RP10/A	.1095	.1682	.2064	.2314	.2559	.2777	.3134	.3423	.3996	.4551	.5343	.7697	1.3432
RP25/A	.1281	.2006	.2463	.2748	.3033	.3373	.3733	.4054	.4586	.5181	.6346	.8531	1.4582
RP50/A	.1414	.2241	.2751	.3100	.3373	.3723	.4054	.4456	.5000	.5579	.6577	.8727	1.6580
RP100/A	.1543	.2474	.2917	.3297	.3671	.3991	.4361	.4764	.5266	.5756	.6356	.7331	1.0515
RP1000/A	.1610	.2509	.3137	.3507	.3890	.4271	.4651	.5045	.5526	.6027	.6527	.7161	1.2928
RP10000/A	.2337	.3915	.4773	.5218	.5727	.6027	.6617	.7015	.7723	.8366	.9158	.9546	2.3377
PMP/A	.4597	.7430	.9358	1.0502	1.1494	1.2394	1.3973	1.5208	1.7696	2.0413	2.3567	3.3529	5.3650

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 1912 0	STATION NAME COLFAX	ELEV 32	SEC 2418	TWP 03	RNG 14M	LOT 09E	BWM A	LATITUDE M	LONGITUDE 39.099	COUNTY CODE 31
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RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.79	5.32	6.32	7.10	7.73	8.41	9.38	10.37	12.30	13.63	16.38	23.99	46.65
5	5.06	7.34	8.83	10.72	11.50	12.83	14.15	16.42	18.69	22.17	32.29	58.87	
10	5.88	8.69	10.46	11.72	12.65	13.59	15.03	16.46	19.16	21.79	25.65	37.24	65.80
20	6.64	9.94	12.02	13.39	14.44	15.44	16.97	18.54	21.41	24.58	26.76	41.68	71.80
25	6.88	10.34	12.52	13.92	14.99	16.01	17.58	19.18	22.10	25.44	29.71	45.04	73.22
40	7.00	11.19	13.50	14.17	15.27	17.18	18.62	20.48	23.48	27.19	31.63	47.06	76.97
50	7.59	11.58	13.97	15.49	16.87	17.73	19.40	21.09	24.11	27.99	32.52	49.07	83.77
100	8.29	12.17	15.38	17.01	18.60	19.74	21.42	23.22	26.02	29.43	33.77	50.87	86.39
200	8.66	12.93	16.57	18.89	20.99	22.83	24.65	27.83	32.77	37.75	45.52	62.55	98.32
1000	10.47	16.56	19.90	21.83	23.43	24.56	26.57	28.52	31.76	37.95	43.38	62.55	98.32
10000	12.55	20.23	24.23	26.42	28.32	29.49	31.67	33.73	37.03	44.93	50.88	73.28	111.20
PMP	24.68	38.43	47.51	53.17	56.82	60.65	66.87	73.12	84.85	97.72	113.14	162.22	255.21

MEAN	4.057	5.775	6.866	7.655	8.314	8.971	9.913	10.914	12.779	14.361	17.117	25.053	47.570
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.195	1.279	1.584	1.544	1.608	1.523	1.315	1.265	1.011	1.245	1.027	.700	.400
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	10.411	10.539	7.896	6.291	5.399	4.671	4.249	3.313	2.721	4.718	3.466	2.620	2.195
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	1964
RECORD MAXIMUM	10.020	15.890	18.970	20.540	21.360	21.360	21.490	22.370	24.240	33.490	34.790	44.200	71.560
NORMALIZED MAX	4.087	4.521	4.295	4.006	3.770	3.392	2.874	2.656	2.444	3.540	2.885	2.238	1.612
CALC. COEF. VAR	.363	.387	.412	.421	.416	.407	.406	.395	.367	.376	.358	.342	.278
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0849	.1214	.1439	.1607	.1748	.1966	.2084	.2294	.2686	.3019	.3598	.5267	1.0000
RP10/A	.1237	.1627	.2203	.2463	.2659	.2857	.3135	.3495	.4028	.4508	.5392	.7032	
RP25/A	.1446	.2179	.2629	.2925	.3152	.3345	.3695	.4032	.4645	.5347	.6245	.7047	1.5472
RP50/A	.1597	.2434	.2936	.3256	.3505	.3727	.4078	.4333	.5050	.5857	.6747	.7477	1.6830
RP100/A	.1742	.2665	.3234	.3577	.3870	.4075	.4464	.4812	.5269	.5962	.6777	.7498	1.6711
RP1000/A	.2630	.4253	.5093	.5553	.5952	.6200	.6657	.7096	.7704	.8466	.9095	1.5404	2.3377
PMP/A	.5189	.8079	.9987	1.1178	1.1945								

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
ATO 2721 0 EL DORADO POWER HOUSE ELEV 1920 22 1IN 12E A M 38°7.93 120°6.19 COUNTY CODE 09

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.72	5.35	6.58	7.32	8.06	8.88	9.80	10.85	12.95	14.54	17.40	25.75	49.99
5	4.98	7.39	9.21	10.42	11.96	12.24	13.45	14.81	17.30	19.95	23.57	34.64	61.89
10	5.78	8.75	10.92	12.08	13.19	14.16	15.16	17.32	20.55	24.26	28.76	44.73	73.51
20	6.53	10.04	12.53	13.81	15.05	16.31	17.78	19.49	22.55	26.23	30.56	44.73	73.51
25	6.75	10.44	13.04	14.35	15.64	16.91	18.42	20.07	23.26	27.14	31.57	46.18	78.87
40	6.88	11.27	14.07	14.61	15.92	16.15	19.73	21.44	24.72	29.01	33.62	49.14	82.75
50	7.47	11.66	14.56	15.97	17.39	18.73	20.33	22.07	25.39	29.67	34.57	50.50	84.52
100	8.16	12.66	16.04	17.55	19.08	20.48	22.16	23.97	27.39	32.47	37.40	54.59	89.76
200	8.61	14.03	17.96	19.49	20.73	22.28	23.02	25.80	29.29	34.20	38.65	58.51	94.73
1000	10.29	16.86	20.74	22.51	24.59	25.29	27.69	29.23	31.40	34.49	40.09	57.71	102.16
10000	12.34	20.37	25.26	27.24	29.53	31.16	33.19	35.30	38.99	47.95	54.07	78.64	115.17
PMP	24.24	38.70	49.52	54.84	59.29	64.07	70.08	76.53	99.34	104.27	120.25	174.08	271.50

MEAN	3.968	5.816	7.136	7.884	8.670	9.478	10.389	11.422	13.455	15.323	18.192	26.884	50.978
CLOCK NR., COR.	1.100	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.186	.338	.470	.525	.442	.574	.611	.518	.256	.582	.589	.452	.104
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	2.011	2.293	2.773	2.774	2.666	3.342	2.904	2.604	3.183	2.764	2.820	2.043	
N	33	33	33	33	33	33	33	33	33	33	33	33	
RECORD YEAR	1963	1956	1953	1952	1951	1950	1948	1946	1945	1945	1946	1945	
RECORD MAXIMUM	5.300	9.100	13.280	14.410	15.230	19.430	20.570	21.800	23.000	29.160	33.380	48.680	72.390
NORMALIZED MAX	1.251	1.660	2.214	2.159	1.991	2.624	2.600	2.494	2.137	2.444	2.239	2.397	1.610
CALC., COEF., VAR	.268	.340	.389	.383	.386	.400	.377	.367	.360	.370	.373	.338	.261
REBN., COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0778	.1141	.1400	.1547	.1701	.1859	.2038	.2241	.2439	.3006	.3569	.4000	
RP10/A	.1134	.1717	.2143	.2370	.2588	.2816	.3083	.3376	.3758	.4560	.5347	.7839	.1032
RP25/A	.1327	.2046	.2557	.2815	.3066	.3318	.3614	.3937	.4564	.5320	.6193	.9059	.15472
RP50/A	.1464	.2288	.2856	.3134	.3411	.3674	.3988	.4329	.4981	.5859	.6781	.9906	.16580
RP100/A	.1598	.2522	.3146	.3442	.3743	.4017	.4346	.4702	.5374	.6369	.7337	.9707	.1761
RP1000/A	.2019	.3272	.4069	.4416	.4793	.5094	.5463	.5854	.6565	.7943	.9041	.13166	.20668
RP10000/A	.2420	.3998	.4934	.5344	.5793	.6112	.6510	.6924	.7688	.9405	.10661	.15425	.23377
PMP/A	.4760	.7592	.9715	1.0757	1.1025	1.2569	1.3746	1.5012	1.7520	2.0455	2.3585	3.1417	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN DRDR SUB  
ATO 4113 0 FDL50M STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE 55 252 35 10N 07E M 38°6.83 121°1R3 34

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.85	3.37	3.73	4.09	4.37	4.90	5.39	6.41	7.09	8.45	12.25	23.27
5	3.94	5.44	5.21	5.67	6.02	6.72	7.35	8.66	9.72	11.45	16.45	29.36	
10	3.29	4.56	5.64	6.16	7.07	7.85	8.55	9.86	11.53	13.23	17.91	31.92	
20	3.71	5.35	6.41	7.04	7.64	8.93	9.64	11.16	12.85	14.65	21.28	37.81	
25	3.84	5.56	6.67	7.32	7.93	8.33	9.21	9.97	11.51	13.23	15.33	21.97	36.71
40	3.90	6.01	7.20	7.45	8.08	8.94	9.86	10.65	12.23	14.14	16.33	23.37	38.52
50	4.24	6.21	7.45	8.15	8.82	9.22	10.16	10.96	12.55	14.56	16.79	24.02	39.34
100	4.62	6.85	8.20	8.95	9.68	10.08	11.08	11.90	13.55	15.82	18.17	25.97	41.79
200	5.00	7.47	8.84	9.73	10.52	10.92	11.96	12.81	14.50	17.04	19.48	27.83	44.09
1000	5.80	8.89	10.61	11.84	12.92	12.76	12.78	12.64	15.69	19.17	22.39	31.92	51.94
10000	10.86	12.92	13.84	14.98	15.34	16.59	17.53	19.29	23.37	24.26	31.40	51.47	
PMP	13.77	20.62	26.33	27.96	30.07	31.54	35.03	38.00	44.20	50.82	58.41	82.80	127.30

MEAN	2.251	3.099	3.650	4.021	4.399	4.666	5.194	5.672	6.657	7.467	8.836	12.787	23.727
CLOCK NR., COR.	1.100	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.070	1.438	1.521	1.882	.983	.753	.559	.390	.117	.963	.902	.234	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	5.112	6.697	7.127	5.554	4.073	3.561	2.954	2.715	3.600	6.206	5.040	4.281	2.181	
N	74	74	74	74	74	74	74	74	74	74	74	74	74	
RECORD YEAR	1963	1953	1950	1950	1953	1953	1951	1951	1951	1951	1951	1951	1957	
RECORD MAXIMUM	4.160	7.270	9.130	9.770	9.770	9.770	9.870	9.870	10.940	14.800	19.920	22.040	30.430	39.650
NORMALIZED MAX	2.688	3.732	3.990	3.697	3.262	2.928	2.473	2.526	3.291	4.266	3.952	3.641	2.320	
CALC., COEF., VAR	.315	.361	.376	.387	.374	.374	.365	.368	.372	.391	.378	.379	.289	
REBN., COEF., VAR	.341	.377	.396	.397	.399	.384	.383	.380	.376	.387	.376	.365	.291	
USED COEF., VAR	.341	.377	.396	.397	.399	.384	.383	.380	.376	.387	.374	.365	.291	

MEAN/A	.0949	.1306	.1538	.1694	.1854	.1966	.2189	.2391	.2806	.3147	.3724	.5389	.10000
RP10/A	.1383	.1965	.2355	.2597	.2021	.2978	.3312	.3005	.4207	.4775	.5580	.8011	.13932
RP25/A	.1617	.2344	.2810	.3084	.3344	.3509	.3881	.4201	.4851	.5575	.6463	.9258	.15472
RP50/A	.1785	.2619	.3130	.3433	.3718	.3886	.4284	.4619	.5294	.6135	.7076	.10123	.16580
RP100/A	.1948	.2887	.3457	.3771	.4080	.4249	.4669	.5017	.5712	.6668	.7655	.10943	.17611
RP1000/A	.2400	.3474	.4471	.5225	.5888	.6068	.6246	.6712	.8317	.9435	.10463	.15068	
RP10000/A	.2950	.4575	.5455	.5855	.6311	.5464	.4928	.5208	.6130	.6977	.7159	.7563	.23377
PMP/A	.5802	.8691	.14076	.17053	.12073	.13293	.14766	.16017	.16029	.21417	.24615	.34095	.51050

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A70 3134 0	STATION NAME FOREST HILL RS	ELEV	SEC	TWP	RNG	LOT	BWH	LATITUDE	LONGITUDE	COUNTY	CODE			
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.20	5.85	6.93	7.75	8.57	9.30	10.53	11.72	13.83	15.34	18.25	26.67	51.76	
5	5.62	8.08	9.69	10.81	11.68	12.81	14.45	15.99	18.68	21.04	24.71	35.88	65.33	
10	6.53	9.57	11.50	12.78	14.02	15.03	16.88	18.60	21.54	24.52	28.58	41.40	73.01	
20	7.37	10.97	13.20	14.61	16.00	17.07	19.10	20.96	24.07	27.67	32.05	46.34	79.67	
25	7.63	11.41	13.73	15.14	16.62	17.70	19.79	21.68	24.84	28.63	33.10	47.84	81.67	
40	8.16	12.32	14.74	15.46	16.81	18.04	20.21	23.28	26.49	30.70	35.25	50.34	87.93	
50	8.82	12.75	15.13	16.90	18.48	19.61	21.64	23.84	26.11	31.59	36.24	51.32	87.52	
100	9.19	14.06	16.89	18.50	20.28	21.44	23.80	25.89	29.24	34.25	39.22	56.55	92.96	
200	9.94	15.34	18.41	20.18	22.03	23.21	25.70	27.88	31.28	35.89	42.06	60.61	98.08	
1000	11.61	18.24	21.84	23.82	25.96	27.18	29.92	32.23	35.73	42.72	48.32	69.53	109.10	
10000	13.92	22.27	26.60	28.82	31.38	32.92	35.65	38.12	41.62	50.58	56.70	81.46	123.40	
PMP	27.38	42.31	52.15	58.01	62.97	67.07	75.27	82.65	95.30	110.00	126.00	180.33	283.19	

MEAN	4.478	6.358	7.514	8.341	9.213	9.922	11.150	12.339	14.364	16.155	19.074	27.850	52.785
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.411	1.232	1.542	1.621	1.445	1.361	1.241	1.073	.867	1.317	1.221	.811	.231
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400

KURTOSIS	4.476	4.078	5.129	5.318	4.915	4.735	4.397	4.081	3.946	5.285	4.384	3.742	1.946
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1965	1965	1963	1963	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	8.070	11.670	16.310	18.640	18.930	19.970	23.460	25.356	26.190	35.980	38.570	52.730	75.650
NORMALIZED MAX	2.200	2.129	2.709	2.755	2.501	2.450	2.746	2.701	2.755	3.197	2.729	2.713	1.701
CALC. COEF. VAR	.365	.392	.432	.449	.422	.413	.401	.391	.384	.383	.375	.374	.255
REGN. COEF. VAR	.341	.377	.384	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0848	.1205	.1424	.1580	.1745	.1880	.2114	.2337	.2721	.3082	.3613	.5767	1.0000
RP10/A	.1236	.1813	.2179	.2426	.2655	.2847	.3198	.3524	.4082	.4464	.5415	.7843	1.3832
RP20/A	.1486	.2042	.2582	.2726	.2940	.3074	.3240	.3454	.3747	.4171	.4671	.5947	1.5472
RP50/A	.1566	.2415	.3004	.3202	.3500	.3714	.4137	.4516	.5135	.5969	.6865	.9911	1.1680
RP100/A	.1711	.2463	.3199	.3517	.3841	.4061	.4509	.4905	.5540	.6489	.7429	.9749	1.7611
RP1000/A	.2200	.3455	.4138	.4512	.4919	.5159	.5667	.6105	.6789	.8092	.9155	.13172	2.0868
RP10000/A	.2637	.4220	.5039	.5460	.5945	.6179	.6753	.7223	.7885	.9582	1.0741	1.5433	2.3377
RPN/A	.5188	.8016	.9880	1.0991	1.1930	1.2706	1.4260	1.5658	1.8069	2.0839	2.3885	3.4163	5.3550

STATION NO. BSN ORDER SUB A70 3981 0	STATION NAME GEORGETOWN	ELEV	SEC	TWP	RNG	LOT	BWH	LATITUDE	LONGITUDE	COUNTY	CODE			
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.97	5.78	6.85	7.69	8.30	9.03	9.98	11.03	13.03	14.75	18.24	26.11	49.17	
5	5.30	7.98	9.58	10.73	11.51	12.44	13.69	15.06	17.60	20.23	24.70	35.13	62.05	
10	6.18	9.45	11.37	12.69	13.58	14.60	16.00	17.52	20.29	23.58	28.57	40.53	69.35	
20	6.96	10.84	13.00	14.51	15.50	16.59	18.11	19.74	22.88	26.00	32.03	45.36	75.88	
25	7.21	11.27	13.56	15.07	16.09	17.20	18.75	20.42	23.40	27.53	33.09	46.84	78.00	
40	7.53	12.47	14.64	15.39	16.38	17.39	18.95	20.05	24.67	27.86	32.74	42.40	73.14	
50	7.92	13.59	15.71	16.48	17.48	18.49	19.50	20.50	22.44	25.54	30.30	36.23	61.22	
100	8.68	13.88	16.69	18.43	19.63	20.83	22.56	24.38	27.55	32.93	39.20	55.37	88.30	
200	9.38	15.15	18.19	20.04	21.33	22.55	24.35	26.24	29.47	35.46	42.05	59.34	93.17	
1000	10.95	18.01	21.58	23.85	25.14	26.41	28.35	30.35	33.66	41.07	48.30	68.07	103.63	
10000	13.14	22.05	26.28	28.62	30.39	31.69	33.78	35.90	39.22	46.62	56.67	79.75	117.21	
PMP	25.85	41.79	51.53	57.66	60.98	65.17	71.34	77.83	89.87	105.75	128.02	176.54	259.01	

MEAN	4.227	6.280	7.425	8.282	8.922	9.540	10.577	11.167	13.534	15.540	19.086	27.265	50.140
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.947	.996	1.113	1.351	1.193	1.069	1.090	1.013	1.013	1.218	.969	.921	-0.031
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400

KURTOSIS	2.059	2.960	3.067	4.580	3.992	3.473	3.503	3.440	3.592	4.353	3.502	3.531	3.205
N	49	49	49	49	49	49	49	49	49	49	49	49	49
RECORD YEAR	1963	1969	1969	1951	1951	1951	1951	1951	1909	1909	1911	1911	1911
RECORD MAXIMUM	6.600	11.610	15.730	19.230	20.610	21.290	22.920	25.210	30.880	35.860	42.320	58.890	82.780
NORMALIZED MAX	1.612	2.172	2.464	2.819	2.859	2.595	2.567	2.861	2.933	2.905	2.843	2.955	2.104
CALC. COEF. VAR	.346	.397	.450	.484	.458	.466	.455	.460	.437	.450	.449	.448	.309
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374	.365	.291

MEAN/A	.0843	.1252	.1481	.1602	.1779	.1923	.2109	.2317	.2699	.3099	.3802	.5438	1.0000	
RP10/A	.1259	.1885	.2267	.2531	.2708	.2912	.3191	.3493	.4048	.4802	.5490	.7332	1.3852	
RP20/A	.1486	.2166	.2525	.2756	.2917	.3147	.3427	.3747	.4547	.5257	.5899	.7747	1.4747	
RP50/A	.1586	.2512	.3023	.3347	.3569	.3799	.4248	.4476	.5094	.6041	.7225	1.0214	1.6580	
RP100/A	.1730	.2769	.3320	.3676	.3916	.4154	.4649	.4852	.5495	.6567	.7618	1.0402	1.7611	
RP1000/A	.2187	.3592	.4304	.4716	.5014	.5268	.5656	.6054	.6714	.7610	.8722	.9698	1.1302	1.5905
RP10000/A	.2921	.4386												

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85 ORDER SUB 61 3001 06 12N 11E 8 M 38.925 120.748 09

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.45	6.10	7.35	8.19	9.15	9.84	11.14	12.46	14.53	15.35	19.66	28.01	54.03
5	5.94	8.43	10.28	11.42	12.69	13.55	15.29	16.93	19.63	22.43	25.62	37.59	68.19
10	6.91	9.98	12.19	13.51	14.97	15.91	17.87	19.69	22.63	26.14	30.79	43.46	76.21
20	7.80	11.44	13.99	15.44	17.08	18.07	20.22	22.18	25.29	29.50	34.52	48.67	83.17
25	8.08	11.90	14.55	16.04	17.74	18.74	20.99	22.95	26.10	30.52	35.66	50.25	85.25
40	8.21	12.85	15.71	16.34	18.30	19.40	20.44	22.42	24.51	27.73	32.62	37.41	53.46
50	8.49	13.30	17.86	19.73	20.75	21.69	23.69	25.23	27.23	30.77	34.04	49.95	73.36
70	9.73	14.66	17.90	19.62	21.65	23.69	25.19	27.40	30.73	36.51	42.24	59.40	97.44
100	10.52	15.99	19.51	21.33	23.52	24.57	27.19	29.49	32.87	39.32	45.31	63.64	102.39
1000	12.29	19.02	23.15	25.17	27.72	28.77	31.65	34.12	37.54	45.54	52.05	73.03	113.88
10000	14.74	23.23	28.19	30.46	33.50	34.52	37.72	40.36	43.74	53.92	61.07	85.56	128.81
PMP	28.98	44.12	55.27	61.31	67.23	70.94	79.75	87.49	100.23	117.25	135.81	189.40	295.81
MEAN	4.740	6.630	7.905	8.815	9.837	10.501	11.809	13.058	15.094	17.231	20.547	29.251	55.100
CLOCK HR, COR.	1.140	1.670	1.040	1.020	1.610	1.030	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.230	1.321	1.440	1.406	1.205	1.235	1.074	.944	.767	1.120	.904	1.750	.471
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	
KURTOSIS	4.337	3.630	4.156	4.071	3.735	3.951	3.390	3.179	2.975	3.964	3.081	2.720	2.307
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1965	1965	1965	1951	1951	1956	1965	1956	1965	1965	1965	1965	1974
RECORD MAXIMUM	7.910	12.390	16.590	19.230	20.610	21.480	25.000	25.620	29.590	37.460	39.240	52.040	84.850
NORMALIZED MAX	1.996	2.036	2.140	2.330	2.369	2.266	2.215	2.221	2.388	2.762	2.267	2.224	1.919
CALC, COEF, VAR	.338	.427	.474	.507	.474	.462	.447	.433	.402	.425	.401	.350	.281
REGN, COEF, VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF, VAR	.361	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0860	.1203	.1445	.1600	.1785	.1900	.2143	.2370	.2739	.3127	.3729	.5309	.0000
RP10/A	.1254	.1811	.2213	.2451	.2715	.2887	.3242	.3573	.4108	.4745	.5589	.7891	.1832
RP25/A	.1466	.2160	.2540	.2912	.3220	.3401	.3800	.4165	.4737	.5539	.6472	.9119	.1547
RP50/A	.1918	.2413	.2949	.3241	.3580	.3764	.4194	.4797	.5707	.6696	.7922	.11580	
RP100/A	.1918	.2450	.2860	.3248	.3600	.3864	.4333	.4977	.5726	.6767	.7767	.11761	
RP1000/A	.2234	.2451	.2402	.4558	.5031	.5222	.5745	.6192	.6814	.8294	.9447	.11754	.2458
RP10000/A	.2674	.4215	.5116	.5529	.6080	.6265	.6846	.7324	.7938	.8745	.11084	.15528	.3377
PMP/A	.5260	.8008	1.0032	1.1127	1.2202	1.2883	1.4456	1.5878	1.8190	2.1281	2.4646	3.4374	6.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85 ORDER SUB 61 2840 03 14N 10E M M 39.089 120.839 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.70	5.21	6.30	7.20	7.98	8.68	9.92	11.21	13.11	14.75	17.49	25.97	51.39
5	4.94	7.19	8.45	10.28	11.07	11.96	13.11	15.30	17.72	20.23	23.69	34.94	64.85
10	5.74	8.51	10.45	11.89	13.06	14.03	15.91	17.80	20.43	23.58	27.40	40.32	72.48
20	6.48	9.76	11.99	13.59	14.91	15.93	18.00	20.06	22.83	26.60	30.72	45.12	79.10
25	6.71	10.15	12.47	14.12	15.48	16.53	18.64	20.75	23.58	27.53	31.73	46.59	81.08
40	6.83	10.97	13.47	14.38	15.76	17.74	19.96	22.16	25.03	29.42	33.79	49.57	85.07
50	7.41	11.34	13.93	15.72	17.21	18.30	20.57	22.81	25.71	30.30	34.74	50.94	86.89
70	8.09	12.21	15.75	17.26	19.00	20.42	22.77	25.21	27.77	32.49	37.55	55.07	97.29
100	8.74	13.64	16.73	18.77	20.25	21.67	24.67	27.67	30.26	34.32	39.52	59.30	97.30
200	10.22	16.23	19.85	22.15	24.19	25.38	28.19	30.85	33.89	41.07	46.32	67.71	108.31
1000	12.25	19.82	24.17	26.81	29.24	30.45	33.58	35.48	39.48	46.63	54.35	79.33	122.51
10000	24.09	37.65	47.40	53.95	58.67	62.61	70.92	79.10	90.46	i05.76	120.86	175.81	281.15
MEAN	3.939	5.657	6.829	7.758	8.584	9.261	10.514	11.805	13.623	15.842	18.285	27.121	52.405
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.425	1.366	1.376	1.328	1.312	1.313	1.286	1.030	.706	.986	.806	1.401	.052
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.472	5.633	5.165	5.220	5.303	5.294	4.498	3.746	3.170	4.624	3.493	2.429	2.026
N	44	44	44	44	44	44	44	44	44	44	44	44	44
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1967
RECORD MAXIMUM	7.160	11.830	14.860	17.320	19.320	20.570	23.170	25.200	27.180	35.500	37.020	46.500	75.990
NORMALIZED MAX	2.646	3.104	3.069	3.174	3.300	3.139	2.969	2.835	2.625	3.206	2.626	2.184	1.846
CALC, COEF, VAR	.309	.352	.383	.386	.379	.389	.405	.400	.379	.401	.363	.327	.244
REGN, COEF, VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF, VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0752	.1080	.1303	.1480	.1638	.1767	.2006	.2253	.2800	.2966	.3489	.5175	.0000
RP10/A	.1095	.1525	.1995	.2268	.2492	.2677	.3035	.3397	.3988	.4499	.5228	.7693	.13632
RP25/A	.1281	.1938	.2389	.2694	.2954	.3154	.3557	.3939	.4495	.5253	.6055	.8890	.15472
RP50/A	.1414	.2165	.2658	.2993	.3285	.3492	.3926	.4353	.4904	.5781	.6633	.8150	.16500
RP100/A	.1548	.2396	.3047	.3425	.3816	.4242	.4616	.4842	.5378	.5866	.6456	.7744	.1.0191
RP1000/A	.1950	.3096	.3768	.4227	.4616	.4842	.5168	.5484	.5866	.6787	.7421	.8192	.1.7811
RP10000/A	.2337	.3782	.4612	.5115	.5579	.5810	.6409	.6962	.7533	.8200	.1.0371	.1.1537	.2.3377
PMP/A	.4597	.7104	.9044	1.0290	1.1190	1.1947	1.3533	1.5093	1.7261	2.0181	2.3063	3.3509	6.3650

## PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 470 KYBURZ=STRAWBERRY 5700 18 11N 17E P M 38.795 120.146 04

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	4.53	4.99	5.51	6.11	6.42	6.89	7.90	8.58	10.29	12.00	14.28	19.99	39.75
5	6.05	6.89	7.70	8.52	8.91	9.50	10.85	11.71	13.90	15.47	19.34	26.89	50.16
10	7.04	8.16	9.14	10.08	10.50	11.15	12.67	13.63	16.03	19.19	22.37	31.03	55.06
20	7.95	9.35	10.48	11.52	11.99	12.66	14.34	15.35	17.91	21.66	25.08	34.73	61.18
25	8.23	9.73	10.90	11.97	12.45	13.13	14.85	15.88	18.48	22.41	25.91	35.86	62.71
40	9.37	10.51	11.16	12.49	12.68	14.09	15.91	16.96	19.64	23.95	27.54	38.15	65.80
50	9.60	10.87	11.16	12.32	12.85	13.54	15.30	16.30	20.47	24.66	28.37	39.21	67.21
100	9.91	11.98	13.41	14.63	15.19	15.85	17.87	18.90	21.76	26.26	31.59	42.39	71.38
200	10.72	13.07	14.62	15.91	16.50	17.22	19.29	20.41	23.27	28.87	32.92	43.43	75.32
1000	12.52	15.55	17.35	18.78	19.44	20.16	22.46	23.61	26.58	33.43	37.82	52.11	83.78
10000	15.01	18.99	21.12	22.72	23.51	24.19	26.76	27.93	30.97	39.58	44.37	61.06	94.75
PMP	29.53	36.07	41.42	45.73	47.19	49.74	56.51	60.54	70.94	86.09	98.68	135.16	217.46

MEAN	4.829	5.421	5.968	6.575	6.904	7.358	8.378	9.037	10.607	12.651	14.928	20.874	40.533
CLOCK MR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.006	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.972	.704	.824	.781	.895	.966	.849	.673	.652	.564	.623	.626	*0.125
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	4.943	3.182	2.767	2.552	3.070	3.466	3.225	3.087	3.502	3.133	3.445	3.283	2.998
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1962	1963	1962	1951	1951	1965	1965	1965	1951	1951	1951	1951	1969
RECORD MAXIMUM	9.300	10.300	10.970	12.400	13.710	15.470	17.910	18.310	21.750	23.220	28.400	36.699	63.060
NORMALIZED MAX	2.251	1.995	1.747	1.814	2.073	2.325	2.345	2.267	2.356	2.024	2.296	2.032	1.684
CALC. COEF. VAR	.411	.451	.480	.488	.476	.474	.485	.453	.439	.413	.393	.369	.330
REBN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1191	.1337	.1472	.1622	.1703	.1815	.2067	.2229	.2537	.3121	.3683	.5150	1.0000
RP10/A	.1736	.2012	.2254	.2499	.2592	.2750	.3127	.3362	.3954	.4735	.5519	.7655	.13832
RP25/A	.2030	.2409	.2690	.2959	.3072	.3239	.3665	.3918	.4559	.5528	.6392	.8847	.15472
RP40/A	.2241	.2662	.3004	.3366	.3637	.3867	.4044	.4312	.4849	.5609	.6476	.7674	.16580
RP100/A	.2445	.2845	.3256	.3610	.3748	.3924	.4098	.4370	.5368	.6413	.7572	.8721	.17811
RP1000/A	.3090	.3836	.4280	.4632	.4799	.4974	.5541	.5658	.6248	.7331	.8287	.9469	.24365
RP10000/A	.3704	.4685	.5211	.5605	.5801	.5960	.6602	.6890	.7640	.8766	.9847	1.5003	2.3377
PMP/A	.7285	.8900	1.0219	1.1283	1.1641	1.2271	1.3941	1.4937	1.7508	2.1239	2.4344	3.3346	5.3850

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 470 5909 0 MOUNT DANAHER 96 3408 05 10N 12E R M 38.744 120.667 09

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.39	4.74	5.75	6.40	6.97	7.64	8.62	9.74	11.43	12.67	15.67	22.31	42.93
5	4.53	6.54	8.04	8.93	9.67	10.52	11.82	13.29	15.44	17.46	21.22	34.18	
10	5.26	7.74	9.54	10.56	11.41	12.34	13.82	15.45	17.81	20.58	24.54	34.63	60.55
20	5.94	8.08	10.94	12.06	13.02	14.02	15.63	17.41	19.90	23.22	27.52	30.76	66.08
25	6.15	9.23	11.34	12.55	13.52	14.54	16.19	18.01	20.53	24.03	28.42	40.02	
40	6.26	9.97	12.29	12.78	13.77	15.61	17.34	19.20	21.82	25.68	30.27	42.58	71.07
50	6.79	10.31	12.41	13.97	15.04	16.10	17.47	19.20	22.41	26.04	31.12	43.56	72.59
100	7.41	11.37	14.17	15.56	16.54	17.48	19.41	21.26	24.18	27.74	33.67	47.10	81.35
200	8.01	12.41	15.26	16.68	17.93	19.07	21.03	23.15	25.85	30.96	36.12	50.70	81.35
1000	9.37	14.75	18.11	19.68	21.13	22.33	24.46	26.78	29.33	35.85	41.49	58.16	90.46
10000	11.23	16.02	22.05	23.82	25.54	26.79	29.17	31.67	34.41	42.45	48.68	68.14	102.34
PMP	22.08	34.23	43.24	47.94	51.25	55.09	61.60	66.67	78.84	92.31	105.26	150.84	234.87

MEAN	3.611	5.144	6.230	6.893	7.498	8.149	9.133	10.244	11.874	13.565	16.377	23.295	43.779
CLOCK MR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.736	1.707	1.041	1.024	.986	1.033	.794	.654	.603	.904	.721	.697	.275
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.071	2.864	3.480	3.184	3.229	3.574	3.093	2.899	2.991	3.636	3.055	3.126	1.894
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1963	1963	1956	1963	1986	1956	1956	1956	1956	1965	1985	1956	1951
RECORD MAXIMUM	5.630	8.290	12.150	12.970	14.030	16.930	18.110	19.620	21.300	27.090	29.290	41.120	64.390
NORMALIZED MAX	1.569	1.680	2.167	1.923	1.959	2.404	2.281	2.183	2.665	2.504	2.088	2.289	1.777
CALC. COEF. VAR	.356	.362	.439	.458	.445	.446	.431	.384	.398	.322	.322	.322	.321
REBN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0825	.1175	.1423	.1575	.1713	.1861	.2086	.2341	.2712	.3099	.3741	.5321	1.0000
RP10/A	.1202	.1768	.2170	.2413	.2606	.2819	.3156	.3530	.4067	.4701	.5606	.7910	1.3832
RP25/A	.1406	.2109	.2600	.2866	.3089	.3321	.3699	.4114	.4690	.5469	.6492	.9141	1.5472
RP50/A	.1552	.2356	.2963	.3190	.3335	.3676	.4042	.4523	.5118	.5714	.6792	.8616	1.6506
RP100/A	.1692	.2470	.3136	.3506	.3627	.4022	.4449	.5022	.5622	.6265	.7192	.8485	1.6111
RP1000/A	.2564	.4116	.5037	.5541	.5834	.6119	.6664	.7235	.7860	.8696	1.1120	1.5564	2.3377
RP10000/A	.5044	.7819	.9876	1.0951	1.1707	1.2503	1.4072	1.5666	1.8010	2.0566	2.4720	3.4455	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 8SN ORDER SUB 470 6597 0	STATION NAME PACIFIC HOUSE	ELEV 108	SEC 3440	TWP 34	RNG 11N	LOT 13E	BWM M	LATITUDE 38°750'	LONGITUDE 120°500'	COUNTY CODE 09
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.10	5.67	6.70	7.37	8.06	6.72	10.00	11.16	12.86	14.43	17.30	25.55	50.39
5	5.48	7.82	9.67	10.29	11.18	12.02	13.72	15.24	17.37	19.79	23.43	34.97	63.59
10	6.37	9.26	11.11	12.17	13.18	14.03	15.63	17.12	20.03	23.07	30.38	39.68	59.08
20	7.19	10.62	12.75	13.91	15.05	16.02	18.14	19.97	22.34	26.03	30.38	44.39	77.56
25	7.45	11.04	13.26	14.45	15.63	16.61	18.79	20.66	23.10	26.93	31.38	45.83	79.51
40	7.58	11.93	14.32	14.72	15.91	17.83	20.12	22.05	24.51	28.78	33.42	48.76	83.42
50	8.22	12.34	14.81	16.09	17.38	18.40	20.74	22.71	25.21	29.64	34.36	50.12	85.20
100	8.97	13.60	16.31	16.67	16.97	20.12	22.60	24.67	27.24	32.22	37.18	54.18	90.50
200	9.70	17.64	19.73	19.21	20.12	21.69	22.65	23.99	24.07	28.00	34.00	54.49	95.49
1000	11.94	21.10	22.27	24.42	25.51	28.41	31.71	33.23	40.18	45.81	66.61	104.21	
10000	13.49	21.56	25.70	27.43	29.51	30.61	33.65	36.33	38.71	47.58	53.75	76.04	120.13
PMP	26.73	40.95	55.22	59.22	62.94	71.47	78.75	88.70	103.47	119.53	172.75	275.69	

MEAN	6.154	7.260	7.939	8.664	9.311	10.597	11.754	13.358	15.205	18.084	26.679	51.387
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CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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CALCULATED SKEW	1.387	1.065	1.200	1.212	1.204	1.195	1.206	1.181	1.223	1.194	.714	.270
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REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.800	.800	.700	.700	.400
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SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.900	.800	.700	.700	.400
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KURTOSIS	4.176	3.257	3.702	4.001	4.114	4.351	4.197	4.197	4.198	4.932	4.070	3.373	2.022
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N	33	33	33	33	33	33	33	33	33	33	33	33	33
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RECORD YEAR	1983	1983	1956	1951	1951	1956	1956	1956	1956	1956	1985	1956	1951
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RECORD MAXIMUM	7,950	10,870	14,740	17,300	18,370	19,510	20,850	23,820	27,270	33,750	47,270	74,840	76,959
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NORMALIZED MAX	2.041	1,845	2,239	2,588	2,517	2,574	2,425	2,564	2,818	3,054	2,629	2,392	1,925
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CALC. COEF. VAR	.401	.415	.460	.456	.445	.426	.400	.394	.382	.399	.383	.332	.258
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REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
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USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
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MEAN/A	.0851	.1198	.1413	.1545	.1866	.1812	.2062	.2287	.2599	.2959	.3519	.5192	1.0000
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RP10/A	.1240	.1802	.2163	.2367	.2566	.2745	.3120	.3449	.3898	.4489	.5273	.7718	1.3832
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RP25/A	.1450	.2149	.2581	.2812	.3041	.3233	.3586	.4020	.4495	.5241	.6107	.6919	1.5472
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RP50/A	.1600	.2401	.2988	.3130	.3381	.3581	.4035	.4419	.4905	.5768	.6687	.7953	1.6580
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RP100/A	.1746	.2847	.3175	.3438	.3711	.3913	.4398	.4800	.5292	.6269	.7235	.9104	1.7611
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RP1000/A	.2206	.3435	.4107	.4412	.5751	.4965	.5528	.5977	.6466	.7819	.8916	.9162	2.0668
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RP10000/A	.2645	.4195	.5800	.5339	.5743	.5957	.6587	.7089	.7533	.9258	.9480	.9480	1.5186
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RP/M/A	.5201	.7970	.9805	1.0748	1.1524	1.2249	1.3949	1.5325	1.7260	2.0135	2.3261	3.3617	5.3650
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## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 8SN ORDER SUB 470 6590 0	STATION NAME PLACERVILLE	ELEV 418	SEC 1890	TWP 07	RNG 10N	LOT 11E	BWM R	LATITUDE 38+730'	LONGITUDE 120+797'	COUNTY CODE 09
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.02	4.14	4.97	5.62	6.15	6.66	7.39	8.26	9.96	11.08	13.38	19.56	37.90
5	4.49	5.71	6.25	7.87	8.43	9.53	9.41	10.13	11.21	13.05	15.20	20.86	36.31
10	4.69	6.76	9.44	9.77	10.46	10.76	11.60	13.11	14.81	17.11	20.06	23.86	53.46
20	5.30	7.76	9.46	10.60	11.68	12.22	13.42	14.77	17.33	19.99	23.50	33.98	56.34
25	5.49	8.07	9.83	11.01	11.92	12.69	13.90	15.28	17.88	20.68	24.27	35.09	59.80
40	5.58	8.71	10.62	11.21	12.14	13.61	14.88	16.30	19.00	22.10	25.85	37.33	62.75
50	6.05	9.01	10.92	12.21	13.26	14.04	15.34	16.72	19.52	22.76	26.57	38.37	64.09
60	6.61	9.94	12.10	13.46	14.55	15.35	16.72	18.25	21.00	24.74	28.75	41.48	68.07
100	7.15	10.44	13.16	14.64	15.80	16.82	18.05	19.64	22.53	26.66	30.33	44.45	78.82
200	8.35	12.89	15.45	17.88	19.06	21.52	23.36	25.85	28.85	32.84	36.83	50.99	79.99
1000	10.01	15.75	19.06	20.91	22.52	23.36	25.85	28.97	30.53	41.57	59.74	90.36	
10000	19.70	29.91	37.36	42.08	45.18	48.03	52.67	58.27	68.68	79.45	92.44	132.25	207.37
PMP	19.70	29.91	37.36	42.08	45.18	48.03	52.67	58.27	68.68	79.45	92.44	132.25	207.37

MEAN	3.221	4.495	5.384	6.050	6.611	7.104	7.839	8.697	10.344	11.676	13.985	20.425	38.652
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CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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CALCULATED SKEW	.692	.708	.818	.828	.828	.828	.828	.828	.828	.828	.828	.828	.828
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REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.800	.800	.700	.700	.700	.400
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SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.800	.800	.700	.700	.700	.400
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KURTOSIS	4.016	3.054	3.064	3.359	3.017	3.130	3.280	2.964	2.722	3.975	3.519	2.905	2.675
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N	78	77	77	77	77	77	77	77	77	77	77	77	77
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RECORD YEAR	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981
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RECORD MAXIMUM	5,280	10,410	12,730	12,549	14,270	16,120	18,160	19,160	21,270	25,840	30,240	41,660	69,804
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NORMALIZED MAX	2,530	2,130	2,549	2,589	2,630	2,613	3,003	2,997	2,411	3,285	3,173	2,951	2,804
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CALC. COEF. VAR	.253	.325	.366	.363	.353	.359	.358	.363	.353	.370	.366	.353	.279
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REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
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USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
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MEAN/A	.0833	.1163	.1393	.1565	.1710	.1838	.2028	.2250	.2676	.3021	.3618	.5284	1.0000
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RP10/A	.1214	.1750	.2132	.2399	.2692	.2784	.3068	.3393	.4013	.4582	.5422	.7055	1.3832
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RP25/A	.1420	.2087	.2544	.2849	.3085	.3280	.3596	.3954	.4627	.5351	.6279	.9077	1.5472
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RP50/A	.1566	.2332	.2802	.3172	.3430	.3632	.3968	.4347	.5030	.5808	.6875	.9926	1.6580
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RP100/A	.1710	.2571	.3130	.3463	.3764	.3971	.4325	.4772	.5448	.6400	.7439	.10730	1.7611
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RP1000/A	.2010	.3355	.4490	.4607	.4829	.4942	.5230	.5536	.5918	.6252	.6713	.7437	2.0638
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RP10000/A	.2591	.3774	.4930	.5409	.5829	.6042	.6470	.6954	.7755	.8482	.8755	.9482	2.0577
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RP/M/A	.3096	.7739	.9667	1.0687	1.1690	1.2425	1.3679	1.5075	1.7769	2.0556	2.3918	3.4218	5.3550
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PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
A70 7370 0 STATION NAME  
REPRESA ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
122 295 25 10N 07E F M 38.693 121.161 34

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.83	3.26	3.64	3.95	4.23	4.60	5.14	6.17	6.83	8.17	11.74	22.20
5	2.86	3.91	4.56	5.07	5.48	5.82	6.42	7.01	8.34	9.37	11.06	15.80	26.02
10	3.32	4.63	5.41	6.00	6.47	6.83	7.50	8.16	9.61	10.92	12.79	18.23	31.32
20	3.75	5.31	6.21	6.86	7.38	7.76	8.49	9.19	10.74	12.32	14.34	20.40	34.18
25	3.89	5.52	6.46	7.12	7.67	8.05	8.60	9.51	11.08	12.74	14.81	21.06	35.03
40	3.95	5.96	6.97	7.26	7.81	8.64	9.42	10.15	11.78	13.62	15.77	22.41	36.76
50	4.29	6.17	7.24	7.93	8.53	9.81	10.45	12.04	14.02	16.52	20.55	23.30	37.54
100	5.56	6.80	7.94	8.71	9.36	10.45	11.85	13.05	14.52	15.45	16.55	21.90	30.97
200	5.06	7.42	8.66	9.47	10.17	10.55	11.42	12.22	13.96	16.02	18.82	26.69	42.07
1000	5.92	8.82	10.27	11.18	11.98	12.35	13.30	14.13	15.94	19.01	21.62	30.61	46.80
10000	7.09	10.77	12.51	13.53	14.48	14.82	15.85	16.72	18.57	22.51	25.37	35.87	52.93
PMP	13.95	20.47	24.53	27.23	29.06	30.48	33.46	36.24	42.56	48.96	56.42	79.40	121.47

MEAN	2.281	3.076	3.535	3.914	4.252	4.509	4.961	5.409	6.410	7.195	8.535	12.263	22.642
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.320	1.451	1.514	1.363	1.038	.794	.443	.329	.612	1.424	1.170	.902	.492
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	5.677	6.811	6.045	5.626	4.426	3.625	2.872	2.641	3.755	7.739	5.477	4.082	2.957
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1963	1963	1963	1911	1911	1911	1911	1911	1911	1911	1911	1911	1907
RECORD MAXIMUM	4.540	7.310	8.330	9.040	9.490	9.490	9.970	10.850	14.490	19.870	21.130	26.900	43.120
NORMALIZED MAX	3.029	3.599	3.444	3.433	3.255	3.013	2.964	2.857	3.431	4.542	3.923	3.333	3.121
CALC. COEF. VAR	.327	.383	.394	.381	.378	.367	.348	.352	.367	.388	.376	.358	.290
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	+1007	+1358	+1561	+1729	+1878	+1991	+2191	+2389	+2831	+3178	+3770	+5416	+1.0000
RP10/A	+1468	+2044	+2390	+2649	+2857	+307	+3117	+3662	+4245	+4821	+5649	+8351	+1.3832
RP25/A	+1717	+2438	+2852	+3147	+3367	+3554	+3885	+4198	+4895	+5629	+6542	+9304	+1.5472
RP50/A	+1895	+2724	+3182	+3509	+3766	+3935	+4242	+4616	+5342	+6124	+7042	+1.0140	+1.0000
RP100/A	+2048	+3003	+3406	+3684	+4033	+4203	+4573	+5010	+5744	+6533	+7373	+7750	+1.9998
RP1000/A	+2813	+4066	+4538	+4936	+5292	+5424	+5873	+6242	+7042	+8397	+9550	+2.0261	+2.0668
RP10000/A	+3192	+4759	+5525	+5974	+6396	+6547	+6999	+7383	+8203	+9943	+1.1205	+1.5841	+3.3377
PMP/A	+6160	+9040	+1.0834	+1.2024	+1.2836	+1.3462	+1.4779	+1.6006	+1.8798	+2.1623	+2.4916	+3.5068	+5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
A70 9105 0 STATION NAME  
TWIN LAKES ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
338 7829 18 10N 18E 0 M 38.706 120.040 02

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.36	4.82	5.70	6.40	7.05	7.73	8.84	9.88	11.66	12.99	15.49	22.76	45.74
5	4.50	6.65	7.96	8.93	9.78	10.65	12.13	13.49	15.75	17.82	20.97	30.62	57.72
10	5.22	7.87	9.45	10.56	11.53	12.49	14.18	15.69	18.16	20.76	24.26	35.33	64.51
20	5.93	9.03	10.84	12.08	13.18	14.19	16.04	17.68	20.30	23.43	27.20	39.55	70.40
25	6.11	9.39	11.28	12.55	13.67	14.72	16.62	18.28	20.94	24.24	28.07	40.83	72.16
40	6.21	10.14	12.17	12.78	13.92	15.80	17.79	19.53	22.25	25.51	29.29	41.72	72.12
50	6.74	10.45	12.59	13.59	15.20	16.51	18.94	20.20	23.00	26.68	30.76	44.65	77.33
100	7.15	11.57	13.87	15.34	17.40	17.98	19.99	21.83	24.66	29.00	33.28	48.26	82.14
200	7.95	12.42	15.12	16.68	18.12	19.30	21.58	23.50	26.38	31.23	35.70	51.73	86.67
1000	9.30	15.01	17.94	19.69	21.34	22.60	25.12	27.18	30.13	36.18	41.01	59.34	96.40
10000	11.16	18.33	21.85	23.82	25.81	27.11	29.93	32.15	35.10	42.82	48.11	69.52	109.03
PMP	21.92	34.82	42.84	47.95	51.88	55.75	63.21	69.71	80.42	93.12	106.99	153.90	250.24

MEAN	3.584	5.233	6.173	6.894	7.578	8.248	9.372	10.404	12.112	13.685	16.186	23.769	46.642
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.125	1.525	1.936	1.348	1.123	1.261	1.289	1.000	1.800	1.600	1.700	.700	.400
REGIONAL SKEW	1.125	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	+4.121	5.767	7.296	4.880	+4.124	5.095	4.845	5.035	4.623	5.483	+4.075	3.594	2.790
N	51	51	51	51	51	51	51	51	51	51	51	51	50
RECORD YEAR	1956	1963	1963	1963	1956	1956	1956	1956	1969	1969	1965	1965	1965
RECORD MAXIMUM	6.010	11.140	14.950	15.470	16.400	19.960	21.710	23.590	26.950	34.870	36.960	49.300	78.960
NORMALIZED MAX	2.039	2.860	3.236	2.940	3.439	3.083	3.021	2.867	3.424	3.033	2.673	2.146	
CALC. COEF. VAR	.332	.395	.439	.423	.403	.413	.427	.420	.427	.452	.423	.402	.323
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291

MEAN/A	.0768	+1122	.1324	+1478	.1625	+1768	.2009	+2231	+2597	+2934	+3470	.5096	+1.0000
RP10/A	+1120	+1688	+2026	+2265	+2472	+2678	+3040	+3363	+3894	+4452	+5200	+5757	+1.3832
RP25/A	+1310	+2013	+2418	+2690	+2930	+3563	+3920	+4490	+5197	+6023	+6747	+7467	+2.6727
RP50/A	+1446	+2250	+2700	+2990	+3255	+3594	+3926	+4592	+5316	+6217	+7135	+8348	+1.7611
RP100/A	+1577	+2072	+2507	+2849	+3216	+3824	+4285	+4661	+5287	+6217	+7135	+8348	+1.7611
RP1000/A	+2389	+3930	+3847	+4221	+4578	+4845	+5366	+5828	+6459	+7754	+8792	+2.2272	+2.0668
RP10000/A	+4699	+7466	+9185	+1.0281	+1.1105	+1.1953	+1.3552	+1.4945	+1.7243	+1.9967	+2.2939	+3.2996	+5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 288 290 20 13N 02W E M 38.705 122.117 57

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.63	3.32	3.78	4.17	4.54	4.88	5.56	6.00	6.98	7.55	8.74	12.78	22.20
5	3.69	4.79	5.42	5.93	6.44	6.89	7.79	8.33	9.61	10.45	12.00	17.56	26.85
10	4.37	5.76	6.57	7.07	7.61	8.17	9.08	9.95	11.24	12.23	13.75	20.26	32.62
20	5.45	6.68	7.51	8.02	8.61	9.24	10.44	11.04	12.53	13.22	15.20	22.89	37.89
25	5.20	6.97	7.82	8.45	9.17	9.70	10.83	11.44	12.94	14.31	16.23	23.77	36.87
40	5.30	7.57	8.47	8.61	9.34	10.44	11.62	12.24	13.78	15.32	17.32	25.36	38.84
50	5.79	7.85	8.78	9.44	10.24	10.79	11.99	12.61	14.17	15.78	17.82	26.09	39.74
100	6.37	8.70	9.70	10.40	11.27	11.84	13.11	13.73	15.33	17.17	19.32	28.29	42.41
200	6.93	9.54	10.61	11.33	12.26	12.86	14.19	14.81	16.43	18.51	20.75	30.40	44.92
1000	8.18	11.44	12.50	13.43	14.54	15.14	16.58	17.19	18.84	21.48	23.91	35.03	50.32
10000	9.19	14.09	15.49	16.31	17.66	18.25	19.84	20.60	22.03	25.48	28.16	41.22	57.34
PMP	19.99	27.23	30.71	33.13	35.82	38.00	42.30	44.68	51.12	55.76	61.14	92.54	135.73

MEAN	2.837	3.655	4.122	4.510	4.908	5.238	5.925	6.341	7.272	7.974	9.157	13.392	22.698
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.592	.633	.686	.991	1.032	.956	.895	.819	.571	.585	.599	.735	.742
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	.900	.800	.600	.600	.700	.700	.700	.400

KURTOSIS	2.633	2.868	3.156	3.901	4.283	3.994	3.735	3.325	2.793	2.673	2.616	3.013	3.190
RECORD MAX	84	84	84	84	84	84	84	84	84	84	84	84	84
RECORD YEAR	1932	1955	1911	1933	1912	1911	1911	1911	1918	1938	1914	1911	1941
RECORD MAXIMUM	6.474	6.530	7.900	9.320	10.770	11.760	12.610	13.310	14.580	16.200	17.430	27.070	47.730
NORMALIZED MAX	1.661	2.273	2.698	2.927	3.249	2.994	2.870	2.802	3.159	2.659	2.379	2.550	2.945
CALC. COEF. VAR	.346	.346	.346	.264	.372	.309	.396	.394	.404	.398	.398	.424	.369
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1250	.1610	.1816	.1987	.2162	.2398	.2610	.2794	.3204	.2513	.4024	.5900	1.0000
RP10/A	.1925	.2537	.3237	.3114	.3380	.3598	.4043	.4298	.4915	.5386	.5167	.6986	.4271
RP25/A	.2251	.3070	.3460	.3724	.4038	.4273	.4770	.5038	.5701	.6307	.7152	.10471	.16243
RP50/A	.2552	.3456	.3867	.4160	.4594	.4754	.5284	.5556	.6242	.6951	.7850	.1494	.17500
RP100/A	.2805	.3833	.4275	.4582	.4965	.5216	.5775	.6049	.6752	.7565	.8511	.1*2463	.1*2683
RP1000/A	.3364	.5041	.5576	.5915	.6466	.6668	.7306	.7573	.8298	.9462	1.0535	.1*5431	.2*2171
RP10000/A	.4366	.6207	.6823	.7186	.7778	.8040	.8741	.8988	.9704	1-1224	1*2396	.1*8159	.2*5262
PMP/A	.8806	1.1996	1.3528	1.4596	1.5783	1.6742	1.8663	1.9682	2.2522	2*4537	2*7816	4.0768	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 1330 20 13N 07W M 38.983 122.717 17

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.01	3.31	3.65	4.01	4.31	4.67	5.21	5.65	6.55	7.51	9.21	13.04	23.22
5	3.66	4.76	5.23	5.71	6.12	6.60	7.30	7.84	9.02	10.40	12.65	17.91	30.18
10	4.35	5.75	6.26	6.71	7.12	7.65	8.29	9.59	9.18	10.47	12.16	18.04	36.42
20	5.16	6.94	7.55	8.13	8.70	9.28	9.94	10.79	11.76	12.95	14.26	20.46	35.54
25	5.14	6.94	7.55	8.13	8.70	9.28	9.94	10.76	11.74	12.93	14.24	20.45	35.57
40	5.25	7.53	8.18	8.28	8.67	10.00	10.88	11.51	12.94	15.23	17.11	25.87	40.63
50	5.74	7.81	8.46	9.08	9.72	10.33	11.23	11.82	13.30	15.69	18.78	26.61	41.57
100	6.31	8.66	9.37	10.00	10.70	11.33	12.27	12.92	14.39	17.08	20.36	28.80	44.36
200	6.87	9.50	10.25	10.90	11.66	12.31	13.26	13.93	15.42	18.41	21.87	31.01	46.99
500	8.11	11.03	12.42	12.91	13.61	14.20	15.52	16.11	17.68	21.20	25.70	35.93	52.25
1000	8.83	13.03	15.91	16.76	17.47	18.20	19.19	20.08	22.34	24.65	28.45	38.98	52.98
PMP	19.82	27.11	29.66	31.86	34.02	36.30	39.06	42.03	48.00	55.40	68.54	94.40	141.99

MEAN	2.814	3.638	3.981	4.338	4.600	5.014	5.547	5.966	6.827	7.931	9.650	13.061	23.745
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.447	1.131	.987	.855	1.201	.819	.198	.512	.138	.289	.394	.401	.517
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400

KURTOSIS	2.478	5.284	4.915	4.158	5.329	4.788	3.501	3.946	3.001	3.510	4.338	2.966	3.451
RECORD MAX	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1955	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	4.020	6.050	2.577	2.184	2.769	2.393	2.939	2.106	2.002	2.556	2.024	2.450	3.8170
CALC. COEF. VAR	1.475	2.502	2.577	2.184	2.769	2.393	2.939	2.106	2.002	2.556	2.024	2.450	3.8170
REGN. COEF. VAR	.291	.309	.293	.279	.265	.253	.239	.249	.244	.247	.248	.263	.259
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1185	.1532	.1677	.1827	.1962	.2112	.2336	.2513	.2875	.3340	.4064	.5753	1.0000
RP10/A	.1625	.2415	.2643	.2663	.3292	.3618	.3866	.4411	.5121	.6193	.8775	1.4371	
RP25/A	.2172	.2921	.3102	.3423	.3665	.3910	.4269	.4531	.5117	.5997	.7205	1.0211	.6243
RP50/A	.2419	.3289	.3570	.3625	.4093	.4350	.4729	.4999	.5502	.6069	.7908	1.1201	.17500
RP100/A	.2659	.3648	.3947	.4212	.4505	.4773	.5169	.5440	.6000	.7193	.8574	1.2154	.16663
RP1000/A	.3417	.4797	.5148	.5439	.5914	.6101	.6539	.6810	.7448	.8997	1.0613	1.5047	2.2171
RP10000/A	.4139	.5967	.6299	.6667	.7060	.7357	.7823	.8083	.8769	1*0572	1*2407	1*7708	2.5262
PMP/A	.8349	1.1416	1.2490	1.3419	1.4325	1.5320	1.6763	1.7701	2.0214	2.3332	2.8022	3.9750	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT PREDIABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 4010 0 HOBERS 70 2960 35 12N 08W M 38°850' 122°71' 17

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.07	7.99	9.33	10.17	10.98	11.79	13.13	14.17	16.79	18.80	22.39	31.95	56.40
5	8.50	11.50	13.40	14.48	15.59	16.65	18.38	19.68	23.11	26.02	30.74	43.90	73.31
10	10.07	13.64	16.06	17.25	18.56	19.73	21.65	23.03	26.83	30.42	35.74	51.06	82.89
20	11.53	16.05	18.55	19.83	21.33	22.56	24.62	25.90	30.12	34.40	40.22	57.46	91.20
25	11.98	16.75	19.93	20.83	22.02	23.22	24.89	26.14	30.11	34.36	41.58	59.19	98.70
40	12.43	18.18	20.94	22.42	23.52	24.72	26.89	28.14	31.46	34.43	43.39	63.39	98.70
50	13.35	18.86	21.69	23.04	24.77	26.07	28.29	29.77	34.07	39.26	45.04	65.22	100.98
100	14.67	20.91	23.98	25.36	27.27	28.60	30.92	32.41	36.88	42.73	49.48	70.72	107.76
200	15.98	22.93	26.22	27.66	29.71	31.31	33.46	34.95	39.51	46.07	53.16	75.98	114.15
1000	18.86	27.50	31.28	32.77	35.19	36.56	39.12	40.58	45.30	53.44	61.25	87.55	127.88
10000	22.84	33.86	38.28	39.81	42.73	44.08	46.80	48.16	52.97	63.39	72.07	103.03	145.70
PMP	46.07	65.44	75.96	80.86	86.70	91.96	99.92	105.75	122.94	138.59	161.73	231.31	344.91

MEAN	6.540	8.784	10.187	11.008	11.876	12.653	13.974	14.970	17.487	19.842	23.456	33.475	57.678
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.987	1.646	1.117	1.339	1.648	1.529	1.270	1.167	.813	.738	.714	.469	.923
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	

KURTOSIS	7.932	5.944	4.385	5.668	7.371	7.223	6.257	5.525	4.084	3.661	3.724	2.777	3.851
N	62	42	42	42	42	42	42	42	35	42	42	42	42
RECORD YEAR	1938	1938	1938	1956	1956	1956	1956	1956	1956	1956	1956	1941	1938
RECORD MAXIMUM	14,200	20,500	21,600	26,490	30,160	30,910	33,450	34,390	36,990	40,440	48,650	62,890	112,500
NORMALIZED MAX	2,910	2,891	2,733	3,324	3,794	3,770	3,673	3,467	2,651	2,622	2,622	2,622	2,712
CALC. COEF. VAR	.402	.461	.410	.423	.406	.382	.379	.364	.211	.201	.181	.181	.349
REGN. COEF. VAR	.463	.430	.430	.423	.423	.420	.417	.410	.403	.402	.399	.393	.394
USED COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1134	.1523	.1766	.1909	.2059	.2194	.2423	.2594	.3032	.3440	.4007	.5804	.1.0000
RP10/A	.1747	.2400	.2784	.2999	.3219	.3420	.3753	.3939	.4111	.5274	.6497	.8177	
RP20/A	.2078	.2903	.3352	.3576	.3816	.4035	.4426	.4644	.4935	.5916	.7210	.1.0330	.1.6230
RP50/A	.2515	.3649	.4011	.3995	.4294	.4519	.4904	.5161	.5968	.6867	.7913	.1.1307	.1.7508
RP100/A	.2544	.3626	.4158	.4400	.4726	.4895	.5201	.5620	.6390	.7468	.8579	.1.2200	.1.8683
RP1000/A	.3269	.4768	.5423	.5882	.6101	.6339	.6782	.7035	.7853	.9266	1.0620	.1.5180	.2.2171
RP10000/A	.3960	.5871	.6633	.6902	.7408	.7643	.8114	.8350	.9184	.1.0991	1.2495	.1.7804	.2.5262
PMP/A	.7988	1.1346	1.3159	1.4019	1.5031	1.5916	1.7323	1.8286	2.0134	2.4029	2.8040	4.0105	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 4097 0 MOPLAND BNE 2510 32 14N 10W M 39°01' 123.000 17

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.46	4.80	5.44	5.97	6.48	6.84	7.85	8.68	9.99	11.17	14.04	20.18	39.20
5	4.86	6.90	7.81	8.50	9.20	9.66	10.99	12.05	13.76	15.45	19.27	27.72	50.95
10	5.75	8.31	9.36	10.12	10.98	11.44	12.94	14.11	15.97	18.07	22.41	32.25	57.61
20	6.59	9.65	10.82	11.64	12.58	13.00	14.72	15.90	17.93	20.43	25.22	36.29	62.31
25	6.84	10.05	11.21	12.11	13.09	13.64	15.39	17.21	19.53	22.00	25.67	33.93	59.11
40	6.97	10.91	12.21	13.23	14.64	15.64	17.19	19.73	22.64	27.81	34.04	46.59	80.59
50	7.42	11.71	13.22	14.52	16.62	16.91	18.23	20.28	23.32	28.61	41.19	70.18	
100	8.38	12.55	13.98	14.89	16.09	16.59	18.49	19.85	21.94	25.39	31.02	44.64	74.89
200	9.12	13.76	15.29	16.23	17.53	18.02	20.01	21.41	23.52	27.36	33.33	47.99	79.33
1000	10.77	16.51	18.24	19.23	20.76	21.21	23.39	24.85	26.96	31.75	38.40	55.36	88.88
10000	13.04	20.33	23.32	23.36	25.21	25.57	27.98	29.50	31.53	37.66	45.19	55.05	101.26
PNP	26.31	39.28	44.25	47.45	51.16	53.25	59.74	64.59	73.18	82.33	101.40	148.10	239.71

MEAN	3.735	5.272	5.940	6.460	7.008	7.340	8.355	9.188	10.140	11.786	14.706	21.143	40.086
CLOCK HR. COR.	1.140	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.538	1.816	1.992	1.900	1.895	1.896	1.984	1.857	1.961	2.498	1.642	1.232	1.92
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400	

KURTOSIS	6.657	7.915	8.690	7.840	7.451	7.280	8.014	7.469	8.373	11.199	5.927	4.185	2.251
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	7.510	12.570	14.070	15.100	16.470	17.070	18.610	20.190	22.460	28.260	37.210	56.180	
NORMALIZED MAX	2.386	2.864	3.064	3.083	3.044	3.007	3.164	3.26	3.242	3.590	2.614	2.370	1.637
CALC. COEF. VAR	.424	.483	.444	.434	.444	.444	.388	.384	.357	.395	.356	.331	.246
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0932	.1315	.1482	.1612	.1748	.1831	.2084	.2287	.2597	.2940	.3669	.5274	.0.0000
RP10/A	.1435	.2073	.2336	.2526	.2733	.2854	.3228	.3319	.3984	.4500	.5590	.8045	.14371
RP50/A	.1707	.2502	.2612	.2707	.2829	.2959	.3194	.3214	.4621	.5278	.6504	.9361	.20243
RP100/A	.2091	.3283	.3489	.3716	.4015	.4139	.4612	.4952	.5473	.6332	.7740	.9880	.1.6683
RP1000/A	.2686	.4118	.4550	.4798	.5180	.5291	.5934	.6200	.6727	.7980	.9880	.1.3795	.2.2171
RP10000/A	.3254	.5071	.5566	.5828	.6290	.6379	.6980	.7358	.7866	.8390	.9390	.1.1272	.1.6232
PMP/A	.6566	.9799	1.1040	1.1837	1.2763	1.3288	1.4903	1.8257	2.0537	2.3292	3.6447	5.9800	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 4700 0 LAKEPORT 2NW 1475 14 14N 10W C M 39°03'8" 122°9'36" 17

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.93	3.94	4.49	4.99	5.40	5.84	6.57	7.13	8.35	9.17	11.36	16.88	30.49
5	4.11	5.68	6.44	7.10	7.67	8.25	9.20	9.96	11.50	12.69	15.60	23.19	39.63
10	4.87	6.83	7.72	8.46	9.14	9.77	10.83	11.59	13.35	14.84	18.14	26.97	44.80
20	5.57	7.92	8.92	9.73	10.49	11.17	12.32	13.51	14.49	16.79	20.12	30.35	49.49
25	5.79	8.06	9.02	9.82	10.50	11.20	12.36	13.50	14.59	17.08	21.10	31.38	50.54
40	6.97	10.07	11.31	12.12	12.49	13.72	14.54	16.49	18.60	22.52	33.28	53.35	
50	8.45	9.31	10.43	11.30	12.19	12.91	14.15	14.98	16.96	19.16	23.17	34.45	54.58
100	7.09	10.32	11.54	12.45	13.42	14.11	15.47	16.31	18.34	20.85	25.12	37.35	58.25
200	7.72	11.32	12.61	13.57	14.62	15.38	16.74	17.59	19.66	22.48	26.99	40.13	61.70
1000	9.11	13.57	15.04	16.07	17.32	18.11	19.57	20.42	22.54	26.08	31.09	46.25	69.12
10000	11.04	16.71	18.41	19.53	21.03	21.83	23.41	24.23	26.35	30.93	36.58	54.42	76.04
PMP	22.27	32.29	36.50	42.67	45.46	49.99	53.06	61.18	67.62	82.09	122.18	186.43	

MEAN	3.161	4.335	4.900	5.400	5.845	6.266	6.992	7.532	8.703	9.681	11.906	17.682	31.176
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.168	1.185	.825	.744	.681	.246	.292	.201	.101	-.103	.692	.716	.846
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.998	4.210	3.538	3.275	3.701	3.299	3.831	3.508	2.968	2.798	3.914	3.252	3.196
N	33	33	33	33	33	33	33	33	32	32	32	32	32
RECORD YEAR	1938	1963	1963	1956	1956	1956	1956	1956	1941	1941	1956	1941	1941
RECORD MAXIMUM	5.510	8.080	8.799	9.770	11.550	11.720	13.010	13.480	14.810	15.690	22.510	33.960	56.640
NORMALIZED MAX	1.900	2.207	2.207	2.243	2.562	2.533	2.642	2.672	2.100	2.060	2.620	2.400	2.402
CALC. COEF. VAR	.374	.921	.380	.362	.362	.344	.326	.335	.322	.306	.341	.345	.340
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1014	.1390	.1572	.1732	.1875	.2010	.2243	.2416	.2791	.3105	.3819	.5572	.0000
RPI/1A	.1502	.2017	.2176	.2717	.3133	.3133	.3133	.3133	.3137	.3182	.3581	.4600	.4771
RPI2A	.1888	.2651	.5983	.6445	.3581	.3707	.4099	.4357	.4357	.5575	.6770	.1.0665	.1.0665
RPI50/A	.2070	.2985	.3347	.3626	.3910	.4141	.4540	.4804	.5439	.6145	.7431	.1.0500	.1.7500
RPI100/A	.2275	.3310	.3700	.3993	.4205	.4543	.4962	.5231	.5803	.6687	.8057	.1.1981	.1.6683
RPI1000/A	.2923	.4353	.4826	.5158	.5555	.5908	.6277	.6549	.7230	.8364	.9973	.1.4834	.2.2171
RPI10000/A	.3541	.5300	.5905	.6263	.6745	.7003	.7510	.7772	.8455	.9922	.1.1734	.1.7457	.2.5625
PMP/A	.7143	1.0359	1.1709	1.2722	1.3686	1.4582	1.6035	1.7021	1.9624	2.1691	2.6331	3.9191	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 4880 0 LEESVILLE KEEGAN 485 1330 17 15N 05W C M 39°15'3" 122°43'36" 06

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.00	3.42	3.67	3.94	4.26	4.74	5.37	5.75	6.76	7.69	8.97	13.38	23.18
5	3.65	4.92	5.27	5.61	6.05	6.69	7.52	7.98	9.30	10.65	12.31	18.39	30.13
10	4.32	5.92	6.32	6.69	7.20	7.93	8.85	9.34	10.80	12.45	14.32	21.39	34.07
20	4.95	6.86	7.30	7.68	8.27	9.07	10.07	10.57	12.13	14.08	16.11	24.07	37.48
25	5.14	7.78	7.61	7.93	8.61	9.42	10.45	10.95	12.44	14.58	16.58	24.49	36.51
40	5.24	7.78	7.61	7.93	8.61	9.42	10.45	10.95	12.44	14.58	16.58	24.49	36.51
50	5.73	8.06	8.53	8.93	9.60	10.48	11.57	12.07	13.72	16.07	18.28	27.32	41.50
100	6.30	8.94	9.44	9.84	10.57	11.50	12.65	13.14	14.84	17.49	19.82	25.63	44.29
200	6.85	9.80	10.32	10.72	11.52	12.49	13.69	14.17	15.91	18.86	21.30	31.83	46.92
1000	6.09	11.75	12.31	12.70	13.64	14.70	16.00	16.45	18.25	21.88	24.54	36.68	52.56
10000	9.88	14.48	15.05	15.43	16.56	17.72	19.14	19.53	21.33	23.95	26.87	43.16	59.89
PMP	19.77	27.98	29.86	31.34	33.61	36.90	40.87	42.77	49.55	56.73	64.78	96.91	141.77

MEAN	2.807	3.756	4.008	4.267	4.604	5.086	5.717	6.070	7.041	8.122	9.396	14.024	23.707
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.768	.755	.899	.699	1.412	1.988	1.442	2.092	.974	.748	.746	.516	1.013
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.041	2.802	3.389	3.087	5.691	8.881	7.140	9.939	4.930	3.224	4.207	3.212	4.446
N	23	23	23	23	23	23	23	23	23	23	23	23	22
RECORD YEAR	1967	1968	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	4.080	5.350	6.400	6.700	8.900	10.580	10.780	12.480	12.980	13.480	16.600	23.690	44.330
NORMALIZED MAX	1.680	1.576	2.124	2.197	2.747	3.401	3.229	3.578	2.841	2.180	2.540	2.182	2.675
CALC. COEF. VAR	.270	.269	.264	.260	.313	.318	.274	.265	.297	.303	.301	.316	.325
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392

MEAN/A	.1184	.1584	.1691	.1800	.1942	.2146	.2411	.2561	.2970	.3426	.3963	.5916	.0000
RPI/1A	.2097	.2855	.2822	.3036	.3345	.3756	.3940	.4553	.5253	.5039	.5039	.1437	
RPI2A	.2121	.2209	.2202	.3037	.3273	.4407	.4720	.5289	.6120	.1.082	.1.082	.1.082	.1.083
RPI50/A	.2417	.3401	.3600	.3768	.4051	.4420	.4883	.5092	.5278	.6779	.7712	.1.1525	.1.7508
RPI100/A	.2657	.3772	.3980	.4150	.4460	.4856	.5355	.5544	.6259	.7378	.8301	.1.2497	.1.6863
RPI1000/A	.3414	.4961	.5191	.5358	.5754	.6200	.6750	.6941	.7693	.9228	.1.0350	.1.5472	.2.2171
RPI10000/A	.4135	.6108	.6353	.6568	.6987	.7475	.8075	.8238	.8994	1.0946	1.2178	1.6208	.2.5262
PMP/A	.0361	1.004	1.2599	1.3219	1.4170	1.5566	1.7241	1.8640	2.0879	2.393			

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. BSN ORDER SUB #80 7591 5	STATION NAME RUMSEY 1 NW	ELEV 455	SEC 12	TWP 12N	RNG 04W	LOT M	LATITUDE 38°9'02"	LONGITUDE 122°26'48"	COUNTY CODE 57			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	200	300	600	F YR
2	2.84	3.71	4.29	4.67	4.98	5.44	6.16	6.64	8.31	9.53	13.70	22.53
5	3.99	5.35	6.15	6.65	7.08	7.68	8.63	9.22	11.42	13.13	18.82	29.57
10	4.72	6.44	7.37	7.92	8.42	9.10	10.16	10.79	13.25	15.33	21.89	33.80
20	5.44	7.46	8.52	9.10	9.68	10.41	11.59	12.22	14.86	17.32	24.64	37.58
25	5.62	7.79	8.88	9.46	10.07	10.81	11.99	12.65	15.35	17.92	25.7	39.3
40	5.72	8.45	9.62	9.65	10.26	11.64	12.87	13.54	16.35	17.71	27.96	41.07
50	5.82	8.87	10.06	10.58	11.31	12.93	13.95	14.61	19.74	21.47	32.58	48.50
100	6.88	9.72	11.01	11.65	12.38	13.50	14.52	15.19	16.17	21.47	30.32	45.39
200	7.48	10.66	12.04	12.69	13.48	14.33	15.71	16.38	19.48	23.13	32.58	48.50
1000	8.81	12.79	14.36	15.04	15.97	16.87	18.37	19.02	22.32	26.82	37.54	55.32
10000	10.70	15.74	17.58	18.27	19.39	20.34	21.97	22.57	26.09	31.78	44.18	64.45
PMP	21.59	30.43	34.85	37.11	39.34	42.35	46.91	49.43	60.47	69.30	99.18	140.11

MEAN	3.065	4.084	4.678	5.053	5.389	5.837	6.561	7.016	8.557	10.051	14.353	23.430
CLOCK HR. COR.	1.140	1.070	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.701	1.758	1.383	1.191	.915	.779	.528	.840	.698	.825	1.013	1.051
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700

KURTOSIS	7.830	6.894	5.689	4.496	4.061	3.795	3.151	3.873	3.256	3.378	3.406	3.667
N	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1938	1941	1941	1941
RECORD MAXIMUM	6.500	8.900	9.750	9.900	10.110	11.190	11.580	13.450	15.980	18.820	29.370	47.660
NORMALIZED MAX	2.941	2.905	2.855	2.574	2.413	2.642	2.462	2.728	2.418	2.616	2.433	2.613
CALC. COEF. VAR	.381	.406	.386	.373	.363	.347	.311	.337	.350	.358	.402	.396
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394	.332
USED COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394	.332

MEAN/A	1.108	.1743	.1997	.2157	.2300	.2491	.2800	.295	.3695	.4290	.6126	1.0000
RP10/A	.2015	.2747	.3148	.3380	.3596	.3884	.4338	.4607	.5055	.6543	.9344	1.4455
RP25/A	.2397	.3232	.3789	.4041	.4466	.4615	.5187	.5407	.6137	.7121	.9724	1.5255
RP50/A	.2871	.3917	.4525	.4797	.5101	.5569	.5955	.7173	.8425	.1.1935	1.7990	
RP100/A	.2955	.4156	.4792	.5202	.5632	.6196	.6683	.7756	.9163	1.2941	1.9374	
RP1000/A	.2772	.5458	.6131	.6420	.6815	.7199	.7839	.8117	.9526	1.1445	1.6022	2.3613
RP10000/A	.4569	.6720	.7502	.7799	.8275	.8686	.9376	.9633	1.1135	1.3564	1.8855	2.7509
RP/P/A	.9216	1.2986	1.4875	1.5840	1.6792	1.8076	2.0023	2.1097	2.5800	2.9577	4.2330	5.9800

STATION NO. BSN ORDER SUB #80 9173 0	STATION NAME UPPER LAKE RS	ELEV 494	SEC 1347	TWP 07	RNG 15N	LOT 09W	LATITUDE 39°16'7"	LONGITUDE 122°9'17"	COUNTY CODE 17				
PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.05	3.86	4.44	5.00	5.49	5.85	6.57	7.19	8.60	9.63	11.59	17.23	33.08
5	4.27	5.58	6.30	7.12	7.79	8.26	9.20	9.98	11.83	13.33	15.91	23.67	43.00
10	5.06	6.72	7.65	8.48	9.28	9.79	10.84	11.68	13.74	15.59	18.50	27.54	48.61
20	5.80	7.79	8.83	9.75	10.66	11.19	12.33	13.22	15.43	17.63	20.82	30.99	53.49
25	6.02	7.91	9.21	10.14	11.09	11.63	12.79	13.61	15.82	17.95	21.25	32.44	
40	6.13	8.83	9.91	10.34	11.20	12.52	13.73	14.57	16.75	18.91	22.97	31.19	57.88
50	6.71	9.15	10.33	11.31	12.39	13.63	15.48	16.44	18.68	21.89	25.62	38.14	61.20
70	7.84	10.55	11.12	12.08	13.63	14.19	15.76	17.73	20.23	23.60	27.52	40.98	66.95
100	8.02	11.13	12.49	13.60	14.85	15.42	16.76	17.73	20.23	23.78	31.71	47.22	75.00
1000	11.48	13.45	14.99	16.11	17.59	18.15	19.55	20.58	23.20	26.70	37.31	55.57	85.45
10000	16.44	18.23	19.58	21.36	21.88	23.43	24.42	27.13	32.48	37.31	55.57	85.45	
PMP	23.16	31.77	36.14	39.76	43.34	45.56	50.03	53.49	62.96	71.01	83.72	124.75	202.29

MEAN	3.287	4.265	4.851	5.143	5.935	6.288	6.998	7.592	8.956	10.167	12.143	19.054	33.827
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.512	1.164	.701	.621	.626	.635	.551	.744	.550	.713	.565	.726	.897
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	2.568	3.481	3.335	3.241	3.159	3.310	3.150	3.676	2.720	3.238	2.728	2.906	3.385
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1938	1938	1938	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	5.350	8.650	9.370	9.900	10.990	11.580	12.690	14.590	16.640	20.970	21.830	34.540	60.890
NORMALIZED MAX	1.570	2.727	2.397	2.335	2.408	2.410	2.302	2.573	2.378	2.784	2.121	2.394	2.663
CALC. COEF. VAR	.376	.377	.389	.362	.354	.350	.353	.358	.361	.382	.345	.391	.397
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392
USED COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0972	.1261	.1434	.1600	.1755	.1856	.2069	.2244	.2648	.3005	.3590	.5337	1.0000
RP10/A	.1497	.1987	.2251	.2508	.2743	.2994	.3204	.3453	.4052	.4506	.5474	.6471	
RP25/A	.1781	.2404	.2721	.2999	.3277	.3438	.3781	.4047	.4711	.5344	.6364	.7473	1.0243
RP50/A	.1946	.2706	.3054	.3350	.3666	.3947	.4363	.4859	.5549	.6773	.7653	.8750	
RP100/A	.2181	.3001	.3376	.3630	.4016	.4496	.4577	.4859	.5580	.6472	.7273	.1.275	1.6683
RP1000/A	.3394	.4800	.5386	.5787	.6213	.6466	.6928	.7220	.8020	.9602	1.1030	1.6427	2.5262
RP10000/A	.6846	.9392	1.0604	1.1754	1.3468	1.4791	1.5612	1.6613	1.7993	2.4751	3.6880	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 490 6977 0 PLEASANTS VALLEY 250 11 07N 02W M 38°46.88 122°04.3 13

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.82	4.76	5.66	5.92	6.51	7.04	8.24	9.00	10.37	11.10	12.82	17.82	26.63
5	5.35	6.86	8.13	8.43	9.29	9.95	11.54	12.45	14.27	15.37	17.60	24.49	37.47
10	6.34	8.25	9.94	10.05	11.01	11.79	13.59	14.62	16.57	17.97	20.46	28.48	42.37
20	7.26	9.57	11.26	11.55	12.64	13.48	15.46	16.54	18.60	20.32	23.02	32.05	46.61
25	7.54	9.90	11.72	12.44	13.40	15.15	18.00	19.24	21.20	22.02	23.24	32.14	47.88
40	7.68	10.84	12.70	13.24	13.40	15.97	17.21	18.34	20.87	22.21	23.39	33.36	51.44
50	8.41	11.24	13.16	13.42	14.69	15.57	17.76	18.89	21.04	23.19	26.13	36.38	51.61
100	9.24	12.47	14.55	14.78	16.17	17.09	19.41	20.57	22.76	25.24	28.31	39.45	55.08
200	10.05	13.67	15.91	16.11	17.62	18.56	21.01	22.18	24.40	27.21	30.43	42.39	58.34
1000	11.67	14.40	18.98	19.08	20.87	21.64	24.56	25.75	27.98	31.57	35.06	48.84	65.36
10000	14.38	20.19	23.22	23.18	25.31	26.34	29.38	30.58	32.71	37.45	41.26	57.48	74.47
PPD	29.00	37.02	46.04	47.09	51.41	54.65	62.73	66.93	75.93	81.87	92.58	129.84	176.29

MEAN	4.117	5.237	6.180	6.411	7.042	7.500	8.773	9.501	10.801	11.721	13.427	18.674	29.480
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.892	1.219	1.019	.808	1.000	1.804	1.423	1.046	.346	.208	-0.136	-0.453	.172
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	

KURTOSIS	8.292	4.494	4.506	4.167	4.461	7.575	6.470	5.434	4.095	3.157	3.208	3.150	2.493
N	15	15	15	15	15	15	15	15	15	15	15	15	20
RECORD YEAR	1956	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIM	8.270	9.540	10.79	10.820	12.780	16.360	16.910	17.910	18.960	19.420	22.050	25.150	31.794
NORMALIZED MAX	2.11	2.05	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
CALC., COEF. VAR	.436	.409	.364	.336	.364	.412	.339	.341	.333	.338	.310	.339	.332
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1397	.1777	.2096	.2175	.2389	.2666	.2976	.3233	.3564	.3976	.4555	.6334	1.0000
RPI10/A	.2131	.2709	.3056	.3498	.3733	.3998	.4110	.4360	.4520	.4696	.4961	.5961	1.4371
RPI25/A	.2559	.3387	.3707	.4075	.4461	.4749	.5149	.5811	.6519	.7138	.8073	.1.2423	1.4343
RPS0/A	.2851	.3814	.4454	.4552	.4982	.5283	.5624	.6409	.7139	.7867	.8863	1.2341	1.7500
RPI100/A	.3134	.4230	.4936	.5014	.5486	.5797	.6585	.6978	.7722	.8582	.9607	1.3302	1.8683
RPI1000/A	.4027	.5562	.6437	.6474	.7078	.7410	.8330	.9490	1.0709	1.1894	1.5656	2.2171	
RPI10000/A	.4877	.6849	.7677	.7864	.8594	.8935	.9966	1.0368	1.1079	1.2703	1.3998	1.9497	2.5262
RPMP/A	.9838	1.3235	1.5819	1.5973	1.7439	1.8666	2.1279	2.2704	2.5759	2.7771	3.1405	4.3771	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 490 7649 0 57 HELENA 7NE 870 11 06N 05W 8 N 38°56.6 122°38.1 28

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.75	5.11	5.82	6.33	6.77	7.25	8.07	8.83	9.99	11.10	13.26	18.53	33.23
5	5.25	7.36	8.35	9.01	9.61	10.24	11.29	12.25	13.75	15.36	18.25	25.47	43.18
10	6.22	8.86	10.01	10.73	11.44	12.13	13.30	14.34	15.95	17.97	21.16	29.62	46.03
20	7.12	10.27	11.51	12.34	13.14	13.88	15.19	16.34	17.92	20.32	24.01	33.34	51.72
25	7.40	10.71	12.01	12.45	13.23	13.93	15.19	16.51	18.01	21.24	24.62	33.71	51.99
40	7.54	11.63	13.06	13.68	14.93	15.92	17.85	17.99	19.72	22.51	26.27	37.67	58.14
50	8.25	12.06	13.93	14.34	15.27	16.03	17.38	18.54	20.27	23.19	27.02	37.84	59.48
100	9.07	13.38	14.95	15.79	16.81	17.59	19.00	20.18	21.93	23.29	29.30	41.03	63.46
200	9.86	14.67	16.35	17.21	18.31	19.11	20.50	21.77	23.51	27.21	31.48	44.09	67.24
1000	11.65	17.59	19.50	20.39	21.69	22.49	24.03	25.27	26.95	31.56	36.27	50.79	75.33
10000	14.11	21.68	23.87	24.77	26.33	27.12	28.76	29.94	31.92	37.44	42.67	59.77	85.83
PPD	26.47	41.67	47.32	56.31	53.44	56.47	61.39	65.68	73.15	81.85	95.75	134.20	203.17

MEAN	4.041	5.620	6.352	6.849	7.320	7.764	8.586	9.323	10.405	11.718	13.887	19.420	33.975
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.721	1.02	1.203	1.202	1.416	1.499	1.305	1.528	1.254	1.444	1.246	.980	.521
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.597	3.351	4.145	3.959	4.798	5.300	5.332	5.292	4.895	5.507	4.773	4.277	2.134
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1963	1963	1963	1956	1956	1956	1956	1956	1956	1965	1956	1956	1956
RECORD MAXIM	6.670	10.330	12.993	14.120	17.70	18.960	19.760	21.10	22.650	25.220	28.240	36.798	53.080
NORMALIZED MAX	1.71	1.71	2.05	2.11	2.61	2.78	2.87	2.77	2.67	2.57	2.58	1.71	1.71
CALC., COEF. VAR	.366	.476	.483	.501	.527	.524	.467	.477	.461	.442	.442	.399	.332
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1180	.1554	.1870	.2016	.2194	.2291	.2227	.2744	.3063	.3449	.4088	.5716	1.0000
RPI10/A	.1632	.2056	.2947	.3159	.3369	.3571	.3615	.4222	.4698	.5288	.6229	.8718	1.3731
RPI25/A	.2119	.3153	.3540	.3777	.4242	.4619	.4046	.5450	.6192	.7247	.7145	1.0423	
RPS0/A	.2428	.3551	.3981	.4220	.4603	.4719	.5116	.5496	.5967	.6225	.7954	1.1336	.7309
RPI100/A	.2689	.3938	.4402	.4668	.4946	.5178	.5592	.5941	.6455	.7427	.8823	1.2075	1.0083
RPI1000/A	.3429	.5179	.5741	.6001	.6303	.6620	.7074	.7437	.7933	.9290	.1.0574	1.4950	2.2171
RPI10000/A	.4154	.6376	.7025	.7290	.7751	.7962	.8064	.8627	.9277	.1.0119	.1.2559	1.7593	2.5282
RPMP/A	.6379	1.2323	1.3929	1.4607	1.5728	1.6621	1.8070	1.9331	2.1530	2.4091	2.6183	3.9498	5.9800

PERSONAL TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION USED  
ESTIMATE BASED ON 19 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
800 1813 0 CLEMENTS ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
345 120 16 04N 08E 0 M 38.204 121.098 39

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.83	2.25	2.55	2.73	3.04	3.23	3.54	3.95	4.71	5.18	6.25	9.20	17.17
5	2.44	3.10	3.56	3.80	4.20	4.43	4.86	5.39	6.41	7.11	8.50	12.42	21.73
10	2.84	3.65	4.20	4.48	4.91	5.18	5.69	6.27	7.45	8.28	9.87	14.38	24.36
20	3.21	4.07	4.74	5.17	5.51	5.87	6.30	6.82	7.06	8.34	9.35	11.17	16.15
25	3.39	4.37	5.08	5.69	6.18	6.51	7.03	7.57	8.06	9.67	11.40	16.70	26.67
40	3.98	4.67	5.30	5.69	6.18	6.51	7.12	7.80	9.26	10.74	12.26	17.81	27.37
50	3.66	4.83	5.56	5.97	6.37	6.71	7.34	8.03	9.53	10.64	12.61	18.32	29.42
100	4.00	5.31	6.10	6.43	6.95	7.31	8.00	8.72	10.35	11.97	13.69	19.87	31.34
200	4.32	5.78	6.63	6.97	7.50	7.89	8.64	9.38	11.13	12.46	14.73	21.35	33.16
1000	5.05	6.83	7.83	8.18	8.74	9.19	10.06	10.88	12.87	14.43	17.02	24.64	37.10
10000	6.05	8.29	9.47	9.83	10.43	10.95	11.99	12.84	15.22	17.08	20.11	29.07	42.27
PMF	11.91	16.15	19.00	20.32	22.68	23.14	25.31	27.84	32.93	37.15	43.48	62.59	94.38

MEAN	1.947	2.427	2.746	2.922	3.230	3.423	3.753	4.155	4.959	5.460	6.579	9.666	17.591
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.755	.906	1.422	.442	.218	.205	.227	.0190	.280	1.049	.712	.550	.446
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	9.840	3.002	2.495	2.268	2.433	2.367	3.002	2.713	3.211	5.412	3.470	2.890	2.275
N	30	30	30	30	30	30	30	30	30	29	30	30	30
RECORD YEAR	1947	1947	1956	1958	1956	1958	1956	1958	1958	1958	1958	1958	1958
RECORD MAXIMUM	3.650	3.050	4.370	4.622	5.350	5.510	6.430	6.600	8.630	10.770	11.240	15.430	26.970
NORMALIZED MAX	2.953	1.908	1.800	1.723	2.049	1.947	2.014	2.111	2.304	3.175	2.400	2.825	2.170
CALC. COEF. VAR	.296	.295	.317	.337	.320	.321	.294	.291	.297	.306	.273	.274	.246
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.391
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.391

MEAN/A	.1107	.1380	.1581	.1661	.1836	.1946	.2133	.2362	.2819	.3104	.3740	.5495	1.0000
RP10/A	.1013	.2071	.2391	.2525	.2792	.2946	.3227	.3522	.4235	.4769	.5869	.8100	.13450
RP5/A	.1075	.2465	.2800	.3000	.3376	.3626	.3926	.4246	.4946	.5395	.6595	.9492	.15559
RP50/A	.2083	.2745	.3159	.3330	.3620	.3912	.4174	.4504	.5419	.6050	.7171	.10145	.1725
RP100/A	.2272	.3010	.3468	.3655	.3948	.4156	.4459	.4950	.5883	.6576	.7783	.11293	.17815
RP1000/A	.2873	.3684	.4450	.4650	.4970	.5225	.5719	.6172	.7317	.8202	.9676	.14007	.21090
RP10000/A	.3442	.4715	.5384	.5590	.5928	.6226	.6814	.7300	.8650	.9711	.11434	.16528	.24030
PMF/A	.6770	.9181	1.0833	1.1594	1.2550	1.3154	1.4389	1.5825	1.6717	2.1120	2.4720	3.5579	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
800 2389 0 DENAIR 3 ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
390 124 20 045 11E M 37.967 120.763 50

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D	
2	1.26	1.52	1.69	1.80	2.04	2.20	2.45	2.61	3.16	3.42	4.18	5.89	11.14	
5	1.60	2.10	2.36	2.62	3.01	3.26	3.56	4.30	5.69	5.65	7.95	14.10		
10	1.96	2.47	2.78	3.00	3.30	3.53	3.93	4.14	5.00	5.46	6.56	9.20	15.81	
20	2.21	2.82	3.18	3.51	3.73	3.99	4.45	4.87	5.63	6.16	7.38	10.34	17.31	
25	2.29	2.93	3.31	3.65	3.87	4.14	4.61	4.83	5.82	6.38	7.63	10.43	17.06	
40	2.33	3.18	3.37	3.92	4.24	4.43	4.83	5.16	6.21	6.61	8.41	11.40	18.67	
50	2.45	3.47	3.80	4.06	4.27	4.64	5.08	5.54	6.72	7.02	8.38	11.72	19.09	
100	2.45	3.47	3.59	4.06	4.63	4.66	4.98	5.54	5.77	6.04	7.63	9.10	12.71	20.33
200	2.48	3.91	4.39	4.80	5.03	5.37	5.94	6.21	7.47	8.21	9.79	13.66	21.51	
1000	3.40	4.62	5.19	5.63	5.87	6.26	6.94	7.18	8.64	9.51	11.31	15.77	24.07	
10000	4.17	5.61	6.27	6.77	7.00	7.46	8.30	8.50	10.21	11.28	13.36	18.61	27.43	
PMF	0.621	10.93	12.62	14.00	14.81	15.75	17.52	18.62	22.09	24.50	26.89	40.05	81.23	

MEAN	1.342	1.642	1.819	2.013	2.187	2.330	2.597	2.749	3.327	3.600	4.371	6.185	j.1413
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.704	.745	.870	.369	.703	.340	.830	.015	.961	.672	.764	1.151	.372
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	3.533	3.682	4.217	3.255	3.327	2.885	4.452	4.137	4.402	3.620	4.466	5.831	3.668
N	75	75	75	39	75	39	39	75	39	39	75	39	76
RECORD YEAR	1921	1956	1930	1938	1950	1969	1969	1962	1930	1969	1958	1938	j.1969
RECORD MAXIMUM	2.060	3.080	3.490	3.910	4.090	4.100	4.960	5.520	6.490	6.810	9.500	12.890	21.800
NORMALIZED MAX	1.794	2.842	2.909	2.461	2.658	2.428	2.833	2.929	2.719	2.414	3.304	3.343	2.853
CALC. COEF. VAR	.298	.308	.318	.302	.334	.313	.321	.344	.350	.356	.346	.353	.319
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.386	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1176	.1438	.1594	.1764	.1890	.2042	.2276	.2409	.2915	.3154	.3830	.5420	j.0000
RPF10/A	.1714	.2165	.2440	.2703	.2867	.3029	.3443	.3525	.4210	.4785	.5746	.8093	j.3850
RPF5/A	.2004	.2389	.2698	.2959	.3147	.3252	.3544	.3743	.4000	.5099	.5587	.6668	j.3539
RPF2/A	.2282	.2863	.3259	.3544	.3743	.4000	.4453	.4654	.5603	.6140	.7344	1.0272	j.6725
RP100/A	.2414	.3146	.3542	.3981	.4082	.4301	.4853	.5055	.6083	.6963	.7971	1.1139	j.7815
RP1000/A	.3050	.4050	.4544	.4937	.5139	.5462	.6100	.6293	.7567	.8033	.9910	1.3016	2.1090
RP10000/A	.3656	.4916	.5957	.5938	.6129	.6293	.7269	.7463	.8964	.9865	.1.1710	.1.6302	2.4030
PMF/A	.7191	.9573	1.1081	1.2269	1.2976	1.3803	1.5137	1.9355	2.1464	2.5317	3.5093	5.3650	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB 500 2909 0 EUGENE STUART RCH 346 173 22 01N 10E K M 37°49.21 120°08.57 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	1.46	1.86	2.08	2.25	2.43	2.61	2.90	3.18	3.76	4.11	4.92	7.61	14.58
5	1.95	2.56	2.91	3.13	3.35	3.58	3.98	4.34	5.11	5.64	6.68	10.28	18.46
10	2.27	3.02	3.44	3.69	3.92	4.18	4.65	5.05	5.94	6.57	7.76	11.90	20.70
20	2.56	3.45	3.93	4.20	4.44	4.74	5.26	5.69	6.68	7.41	8.73	13.37	27.66
25	2.69	3.62	4.08	4.36	4.60	4.90	5.43	5.88	6.91	7.67	9.03	13.42	23.25
40	2.70	3.66	4.15	4.88	4.93	5.25	5.84	6.28	7.09	8.19	9.64	11.74	24.44
50	2.93	3.99	4.54	4.83	5.09	5.41	6.02	6.47	7.60	8.44	9.92	11.74	24.99
100	3.20	4.39	4.99	5.29	5.55	5.90	6.56	7.02	8.25	9.17	10.76	16.44	26.62
200	3.46	4.78	5.42	5.74	5.99	6.37	7.05	7.55	8.87	9.88	11.58	17.67	28.17
1000	4.04	5.65	6.40	6.73	6.98	7.42	8.24	8.75	10.26	11.44	13.38	20.39	31.51
10000	4.84	6.85	7.74	8.10	8.33	8.84	9.62	10.35	12.12	13.54	15.81	24.05	35.91
PMP	9.53	13.35	15.37	16.73	17.63	18.68	20.74	22.43	26.24	29.48	34.19	51.79	80.17

MEAN	1.558	2.008	2.244	2.406	2.579	2.763	3.074	3.347	3.951	4.329	5.172	7.998	14.943
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.936	1.185	1.571	1.101	.792	1.005	.792	.896	.590	.664	.829	.894	.426
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	3.774	5.166	5.754	4.501	3.913	4.575	3.612	3.235	3.135	3.764	3.740	3.471	2.479
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1938	1956	1956	1956	1956	1956	1958	1958	1958	1958	1958	1936	1958
RECORD MAXIMUM	2.490	3.730	4.470	4.520	4.770	5.300	5.670	5.97	7.020	8.270	9.700	14.920	24.780
NORMALIZED MAX	1.959	2.582	2.949	2.703	2.636	2.905	2.595	2.382	2.458	2.925	2.844	2.505	2.413
REC. COEF., VAR	.305	.33	.326	.325	.322	.327	.325	.329	.316	.311	.324	.325	.323
REC. COEF., VAR	.341	.377	.366	.387	.350	.384	.363	.360	.376	.387	.359	.365	.361
USED COEF., VAR	.341	.377	.396	.397	.389	.398	.383	.380	.376	.387	.374	.365	.391

MEAN/A	.1043	.1343	.1502	.1610	.1726	.1849	.2057	.2240	.2644	.2897	.3461	.5353	1.0000
RPI10/A	.1519	.2021	.2299	.2467	.2625	.2800	.3111	.3378	.3732	.4395	.5191	.7747	1.3850
RPI20/A	.1718	.2178	.2420	.2519	.2611	.2788	.3136	.3477	.4026	.4626	.5311	.7947	1.4724
RPS0/A	.1961	.2672	.3038	.3235	.3403	.3623	.4026	.4326	.5083	.5647	.6337	.10145	.1725
RPI100/A	.2140	.2937	.3337	.3542	.3711	.3949	.4287	.4701	.5519	.6138	.7204	1.1001	.7815
RPI1000/A	.2704	.3780	.4280	.4506	.4672	.4965	.5515	.5853	.6864	.7655	.8956	.13645	2.1070
RPI10000/A	.3241	.4589	.5179	.5417	.5572	.5917	.6571	.6923	.8113	.9064	.10583	.16100	2.4030
PMP/A	.6375	.8936	1.0421	1.1197	1.1797	1.2500	1.3876	1.5009	1.7557	1.9712	2.2879	3.4650	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB 500 3301 0 GALT 59 47 27 05N 06E J M 38°25.4 121°3.03 34

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	1.75	2.29	2.59	2.85	3.12	3.28	3.63	3.96	4.65	5.11	6.20	8.95	16.54
5	2.33	3.15	3.61	3.97	4.30	4.51	4.98	5.41	6.32	7.01	8.43	12.07	20.94
10	2.72	3.72	4.26	4.68	5.04	5.27	5.82	6.29	7.35	8.17	9.78	13.98	23.48
20	3.07	4.25	4.87	5.33	5.71	5.96	6.59	7.09	8.27	9.21	11.01	15.71	25.71
25	3.18	4.41	5.06	5.53	5.91	6.17	6.82	7.30	8.48	9.54	10.43	16.24	26.19
40	3.24	4.56	5.16	5.64	6.04	6.31	6.97	7.63	8.93	9.93	10.84	17.22	27.73
50	3.51	4.91	5.63	6.13	6.53	6.81	7.53	8.05	9.40	10.49	12.51	17.81	28.46
100	3.83	5.40	6.19	6.72	7.12	7.43	8.21	8.75	10.21	11.41	13.58	19.32	30.20
200	4.15	5.88	6.73	7.28	7.69	8.02	8.86	9.42	10.98	12.29	14.60	20.73	31.96
1000	4.84	6.95	7.94	8.55	8.97	9.33	10.32	10.96	12.70	14.23	16.88	23.96	35.76
10000	5.81	8.44	9.60	10.27	10.69	11.13	12.29	12.89	15.01	16.84	19.94	28.27	40.74
PMP	11.42	16.43	19.32	21.23	22.64	23.51	25.96	27.95	32.47	36.63	43.12	60.86	90.96

KURTOSIS	2.746	4.415	4.189	4.335	3.710	3.617	3.799	3.307	3.648	5.335	5.391	4.020	2.159
N	73	73	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1967	1919	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1951
RECORD MAXIMUM	3.000	4.950	6.000	7.000	7.600	7.770	8.750	8.750	11.280	14.180	16.930	22.150	28.470
NORMALIZED MAX	1.827	2.734	3.084	3.538	3.363	3.280	3.321	3.063	3.404	4.094	4.033	3.622	2.258
CAC. COEF., VAR	.332	.387	.375	.385	.386	.386	.386	.386	.386	.386	.386	.386	.386
REC. COEF., VAR	.341	.377	.386	.397	.389	.384	.384	.384	.386	.376	.387	.374	.385
USED COEF., VAR	.341	.377	.396	.397	.397	.398	.398	.398	.398	.398	.397	.396	.391

MEAN/A	.1102	.1456	.1642	.1801	.1954	.2052	.2270	.2461	.2885	.3175	.3847	.5544	1.0000
RPI10/A	.1665	.2192	.2514	.2759	.3105	.3424	.3710	.4341	.4861	.5777	.8249	.13890	
RPI20/A	.1918	.2540	.2962	.3348	.3688	.4025	.4324	.4946	.5624	.6716	.9247	.17399	
RPS0/A	.2073	.2898	.3223	.3610	.3852	.4020	.4442	.4764	.5545	.6189	.7377	.14057	.4729
RPI100/A	.2261	.3185	.3650	.3962	.4201	.4381	.4848	.5184	.6020	.6727	.8007	.1394	.7815
RPI1000/A	.2857	.4100	.4682	.5040	.5289	.5508	.6085	.6429	.7468	.8390	.9955	.14132	.20400
RPI10000/A	.3425	.4977	.5665	.6060	.6308	.6565	.7251	.7604	.8851	.9935	.17163	.16675	.24030
PMP/A	.6737	.9692	1.1398	1.2525	1.3354	1.3869	1.5312	1.6466	1.9153	2.1605	2.5431	3.5896	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 800 4283 0	STATION NAME NONE	ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE											
		75	284	25	06N	09E	F	M	3R+34S	120+948	03		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.25	2.78	3.11	3.39	3.69	3.91	4.23	4.72	5.55	6.18	7.41	10.85	21.03
5	3.01	3.63	4.33	4.71	5.09	5.37	5.80	6.44	7.56	8.48	10.07	14.65	26.62
10	3.91	4.51	5.21	5.85	5.56	5.96	6.47	7.19	8.49	9.89	11.19	14.06	27.95
20	3.95	4.16	5.85	6.32	6.75	7.10	7.67	8.44	9.89	11.15	13.16	19.06	37.65
25	4.09	5.36	6.08	6.56	6.99	7.35	7.95	8.73	10.23	11.5	13.61	19.70	35.53
40	4.16	5.77	6.19	7.05	7.49	7.87	8.51	9.32	10.92	12.33	14.53	21.01	35.26
50	4.51	5.97	6.77	7.28	7.73	8.12	8.77	9.60	11.24	12.70	14.95	21.61	36.05
100	4.92	6.56	7.43	7.97	8.43	8.85	9.56	10.42	12.20	13.81	16.23	23.44	38.40
200	5.32	7.14	8.08	8.64	9.19	9.55	10.32	11.22	13.12	14.87	17.46	25.91	40.63
400	6.22	8.44	9.54	10.44	10.44	11.01	12.02	13.02	15.17	17.02	20.17	27.07	44.79
1000	7.46	10.25	11.54	12.18	12.65	13.26	14.32	15.35	17.94	20.39	23.84	34.30	51.79
10000	14.67	19.95	23.22	26.18	26.78	28.00	30.28	33.28	38.81	44.34	51.54	73.84	115.63
PMP													

MEAN	2,399	2,998	3,345	3,621	3,918	4,142	4,483	4,967	5,845	6,516	7,797	11,403	21,553
CLOCK HR. CDR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKW	1,376	1,311	.956	.62	.670	.603	.340	.239	.367	.94	.856	.926	.320
REGIONAL SKW	1,100	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1,100	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	5,400	6,628	5,210	4,367	4,834	3,707	3,074	3,106	5,728	4,950	4,056	2,527		
N	69	70	69	69	69	69	69	70	69	69	69	69	70	
RECORD YEAR	1951	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	1907	
RECORD MAXIMUM	4,450	6,710	7,320	7,320	8,040	8,040	8,520	8,520	15,820	15,820	18,050	24,300	35,900	
NORMALIZED MAX	2,544	3,694	3,524	3,524	3,591	3,591	3,365	2,919	2,369	2,708	4,045	3,805	3,200	2,425
CALC., COEF. VAR	.369	.342	.342	.325	.321	.315	.309	.303	.314	.341	.346	.345	.275	
REGN., COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291	
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291	

MEAN/A	.1113	.1391	.1552	.1680	.1818	.1922	.2080	.2305	.2712	.3023	.3618	.5291	1,0000
RP10/A	.1622	.2094	.2376	.2574	.2765	.2910	.3146	.3475	.4075	.4587	.526	.7872	1,3850
RP25/A	.1897	.2486	.2862	.3042	.3245	.3424	.3688	.4050	.4744	.5355	.6314	.9140	1,5559
RP50/A	.2094	.2769	.3141	.3376	.3584	.3766	.4070	.4453	.5213	.5893	.6937	.1,0028	1,4725
RP100/A	.2284	.3043	.3449	.3696	.3909	.4105	.4436	.4836	.5560	.6406	.7529	.1,0874	1,7815
RP1000/A	.2866	.3917	.4425	.4702	.4921	.5161	.5575	.6022	.7040	.7989	.9360	.1,3487	2,1090
RP10000/A	.3460	.4754	.5354	.5853	.5869	.6150	.6643	.7122	.8321	.9459	1,1051	.15914	2,4300
RPMP/A	.4805	.9258	1,0772	1,1685	1,2425	1,2993	1,4028	1,5441	1,8007	2,0573	2,3913	3,4258	.5,3500

STATION NO. 85N ORDER SUB 800 5010 0	STATION NAME LOCKEFORD	ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE											
		330	106	30	04N	08E	N	M	38+165	121+148	39		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D

2	1.71	2.12	2.41	2.63	2.89	3.11	3.41	3.73	4.62	4.86	5.69	8.59	16.09
5	2.29	3.33	3.31	3.66	3.98	4.21	4.27	4.66	5.08	6.29	6.74	11.59	20.67
10	2.66	3.45	3.78	4.31	4.66	4.69	4.94	5.64	6.20	6.66	8.22	18.76	32.84
20	3.00	4.02	4.55	5.20	5.28	5.64	6.20	7.30	8.22	10.11	15.08	33.01	55.01
25	3.11	4.10	4.73	5.09	5.47	5.85	6.42	6.89	8.50	9.05	10.45	15.58	25.66
40	3.16	4.42	4.81	5.47	5.87	6.26	6.87	7.36	9.08	9.69	11.16	16.62	26.98
50	3.43	4.56	5.26	5.65	5.05	6.45	7.00	7.58	9.34	9.97	11.48	17.10	27.58
100	3.74	5.02	5.78	6.18	6.59	7.03	7.72	8.23	10.14	10.84	12.46	18.54	29.38
200	4.05	5.46	6.28	6.70	7.12	7.59	8.34	8.86	10.91	11.68	13.81	19.13	31.78
400	4.73	6.84	7.61	7.87	8.02	8.44	9.02	10.20	12.62	13.52	15.20	23.00	34.78
1000	5.67	7.84	8.97	9.46	9.90	10.94	11.56	12.12	14.91	16.01	18.31	27.13	39.63
10000	11.15	15.26	18.04	19.54	20.96	22.26	24.42	26.28	32.28	34.82	39.59	58.41	88.48
PMP													

MEAN/A	1,823	2,293	2,599	2,810	3,067	3,293	3,620	3,922	4,861	5,116	5,989	9,021	16,491
CLOCK HR. COR.	1,140	1,670	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKW	1,734	.585	.696	.479	.398	.590	.347	.351	.398	1,146	.870	.586	.97
REGIONAL SKW	1,100	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1,100	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	3,226	2,991	2,996	2,511	2,487	2,776	2,410	2,351	2,603	4,983	3,867	2,472	2,569
N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1937	197	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2,440	2,440	4,100	4,680	5,370	5,970	6,200	6,800	8,580	11,520	11,660	15,480	28,830
NORMALIZED MAX	1,992	2,222	2,248	1,997	2,295	2,569	2,334	2,361	2,357	3,495	2,900	2,125	2,645
CALC., COEF. VAR	.285	.300	.344	.333	.327	.316	.305	.311	.325	.358	.327	.337	.283
REGN., COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1106	.1391	.1576	.1704	.1860	.1997	.2195	.2378	.2947	.3103	.3632	.5470	1,0000
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## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB LODI 349 40 11 03N 06E P M 38°11' 121°29' 39 CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.76	2.24	2.53	2.77	3.04	3.23	3.57	3.91	4.53	5.08	6.09	8.73	16.50
5	2.36	3.09	3.53	3.85	4.19	4.44	4.90	5.34	6.16	6.96	8.28	11.79	20.89
10	2.94	3.54	4.05	4.53	4.90	5.26	5.72	6.23	7.04	8.11	9.24	12.45	23.65
20	3.49	4.16	4.77	5.16	5.55	5.88	6.30	6.80	7.52	8.66	9.82	13.33	22.36
25	3.20	4.32	4.95	5.36	5.75	6.09	6.71	7.24	8.33	9.47	11.19	15.85	26.31
40	3.26	4.66	5.04	5.75	6.16	6.52	7.18	7.73	8.90	10.13	11.99	16.90	27.67
50	3.53	4.81	5.51	5.95	6.35	6.72	7.40	7.96	9.18	10.43	12.29	17.39	28.29
100	3.86	5.29	6.05	6.51	6.93	7.32	8.07	8.64	9.94	11.33	13.36	18.86	30.13
200	4.17	5.75	6.58	7.05	7.49	7.91	8.71	9.30	10.67	12.21	14.35	20.27	31.88
400	4.87	6.31	7.45	8.28	8.82	9.48	10.14	10.82	12.48	14.14	16.52	22.93	35.95
1000	5.84	8.26	9.39	10.41	10.97	12.08	12.73	14.61	16.74	19.50	27.60	40.84	
PMF	11.49	16.09	18.90	20.54	22.03	23.18	25.51	27.60	31.62	36.40	42.37	59.41	90.74

MEAN	1.878	2.418	2.724	2.959	3.223	3.429	3.782	4.119	4.763	5.349	6.410	9.175	16.913
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.428	1.189	1.007	1.166	.774	1.012	.867	.602	.448	.663	.952	.931	.109
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	5.583	5.290	4.077	4.605	3.453	4.406	4.041	3.337	3.073	3.865	4.934	4.865	2.299
80	80	80	80	80	80	80	80	80	80	80	80	80	80
RECORD YEAR	1907	1907	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1958
RECORD MAXIMUM	3.740	5.130	5.400	6.480	6.480	7.220	8.220	9.500	9.870	12.400	15.100	21.300	27.600
NORMALIZED MAX	2.981	3.308	3.134	3.134	2.765	3.382	3.176	2.998	3.062	3.525	3.909	3.013	2.195
CALC. COEF. VAR	.348	.339	.375	.380	.373	.387	.369	.351	.350	.364	.359	.349	.283
REON. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	1.111	1.129	1.110	1.150	1.196	2.027	.2236	.2436	.2816	.3162	.3790	.5425	1.0000
RP10/A	1.619	2.152	2.465	2.691	2.898	.307	.3383	.3672	.4231	.4798	.5685	.6071	1.3850
RP25/A	1.193	2.555	2.928	3.168	3.402	.3599	.3965	.4280	.4526	.5602	.6616	.9372	1.5559
RP50/A	2.090	2.845	3.259	3.515	3.757	.3972	.4376	.4706	.5133	.6165	.7267	1.0282	1.6725
RP100/A	2.280	3.127	3.579	3.849	4.098	.4330	.4769	.5111	.5877	.6701	.7888	1.1150	1.7815
RP1000/A	2.881	4.024	4.590	4.897	5.158	.5444	.5954	.6364	.7310	.8357	.9807	1.3029	2.1090
RP10000/A	3.453	4.885	5.554	5.887	6.152	.6468	.7143	.7527	.8641	.9895	1.1589	1.6318	2.4030
PMF/A	.6792	.9513	1.1176	1.2168	1.3024	1.3706	1.5082	1.6518	1.8699	2.1521	2.5053	3.5127	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB LODI 4NNE DEVINNY 377 61 30 04N 07E C M 38°17' 121°25' 39 CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=M=HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.67	2.21	2.52	2.64	2.91	3.14	3.36	3.66	4.18	4.86	5.93	8.47	15.67
5	2.23	3.05	3.51	3.68	4.01	4.31	4.61	5.00	5.68	6.67	8.06	11.43	19.64
10	2.59	3.59	4.15	4.38	4.70	5.03	5.39	5.81	6.58	7.77	9.77	13.24	22.25
20	2.93	4.14	4.75	4.94	5.27	5.67	6.10	6.55	7.64	8.77	10.53	15.97	24.95
25	3.03	4.27	4.93	5.12	5.52	5.90	6.32	6.77	7.89	9.08	10.89	15.37	24.99
40	3.08	4.60	5.02	5.50	5.91	6.32	6.76	7.23	8.21	9.70	11.63	16.39	26.27
50	3.35	4.75	5.49	5.68	6.09	6.51	6.97	7.45	8.45	9.99	11.97	16.86	26.86
100	3.65	5.22	6.03	6.22	6.65	7.10	7.60	8.05	9.17	10.46	12.99	18.29	28.61
200	3.95	5.68	6.55	6.75	7.18	7.67	8.20	8.70	9.87	11.69	13.97	19.65	30.27
400	4.61	6.72	7.74	7.92	8.36	8.93	9.55	10.07	11.41	13.54	16.15	22.66	33.87
1000	5.53	8.18	9.36	9.52	9.98	10.64	11.38	11.91	13.49	16.03	19.08	26.77	38.60
PMF	10.87	15.89	18.83	19.67	21.12	22.47	24.03	25.92	29.19	34.86	41.25	57.62	86.17

MEAN/A	1.778	2.388	2.714	2.828	3.090	3.324	3.563	3.853	4.396	5.123	6.241	8.898	16.061
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	-0.001	.422	.684	.734	.841	.988	.894	.184	.1427	.1235	.1711	.1482	
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	3.310	2.905	2.904	2.868	3.201	3.806	3.968	3.955	4.829	5.498	4.227	5.003	5.896
21	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1963	1951	1951	1956	1956	1956	1956	1956	1958	1958	1958	1958	1958
RECORD MAXIMUM	2.550	3.800	4.000	4.70	5.370	6.000	6.50	6.00	9.00	10.400	11.300	17.600	30.400
NORMALIZED MAX	1.531	1.551	1.755	1.910	1.951	2.077	2.294	2.317	2.747	2.829	2.845	2.649	2.954
CALC. COEF. VAR	.287	.322	.396	.396	.378	.373	.365	.347	.385	.390	.374	.343	.293
REON. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1107	.1487	.1690	.1761	.1924	.2070	.2218	.2399	.2737	.3190	.3868	.5540	1.0000
RP10/A	.1014	.1238	.2587	.2698	.2926	.3134	.3358	.3617	.4112	.4841	.5829	.8422	.1389
RP25/A	.1887	.2557	.3072	.3189	.3435	.3474	.3933	.4216	.4768	.5650	.6782	.9570	.15559
RP50/A	.2083	.2958	.3419	.3538	.3794	.4055	.4341	.4635	.5261	.6218	.7450	1.0500	1.6725
RP100/A	.2273	.3252	.3755	.3674	.4137	.4420	.4731	.5035	.5712	.6759	.8087	1.1386	.17815
RP1000/A	.2872	.4185	.4817	.4929	.5208	.5557	.5946	.6289	.7104	.8429	1.0054	1.4123	2.1090
RP10000/A	.3442	.5880	.5828	.5925	.6212	.6623	.7006	.7414	.8398	.9981	1.1860	1.6664	2.4030
PMF/A	.6771	.9893	1.1727	1.2247	1.3150	1.3992	1.4962	1.6074	1.8172	2.1707	2.5684	3.5672	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 800 5118 0 LOS BANDS 125 23 105 10E L M 37.050 120-850 24

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.22	1.50	1.65	1.75	1.89	1.99	2.23	2.40	2.89	3.17	3.49	4.88	8.85
5	1.64	2.07	2.30	2.44	2.61	2.73	3.06	3.27	3.93	4.35	4.74	6.59	11.20
10	1.90	2.44	2.72	2.87	3.05	3.19	3.57	3.80	4.56	5.07	5.50	7.63	12.56
20	2.15	2.78	3.11	3.27	3.46	3.61	4.04	4.28	5.14	5.72	6.19	8.57	13.75
25	2.22	2.89	3.23	3.40	3.58	3.74	4.18	4.43	5.31	5.92	6.40	8.86	14.11
40	2.28	3.12	3.29	3.45	3.59	3.74	4.04	4.48	5.47	6.32	6.81	9.45	14.84
50	2.35	3.12	3.59	3.77	3.95	4.13	4.52	4.87	5.84	6.61	7.03	9.71	15.17
100	2.68	3.54	3.95	4.13	4.31	4.50	5.03	5.29	6.34	7.06	7.63	10.54	16.16
200	2.89	3.85	4.29	4.47	4.66	4.86	5.43	5.70	6.82	7.62	8.21	11.33	17.10
1000	3.38	4.56	5.06	5.25	5.43	5.66	6.33	6.59	7.88	8.82	9.49	13.07	19.13
10000	4.05	5.53	6.12	6.31	6.47	6.75	7.54	7.79	9.32	10.45	11.22	15.43	21.79
PMP	7.98	10.78	12.32	13.05	13.71	14.25	15.92	16.70	20.18	22.73	24.25	33.21	48.66
MEAN	1.304	1.619	1.776	1.876	2.005	2.108	2.360	2.522	3.036	3.340	3.668	5.129	9.070
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.010	.749	.520	.492	.665	.665	.342	.402	.381	.141	.366	.592	.438
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
KURTOSIS	2.753	3.537	2.744	2.532	2.572	2.876	2.275	2.459	2.263	2.134	2.439	2.784	3.258
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1958	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	1.880	3.130	3.340	3.540	3.780	3.990	4.050	4.500	5.130	5.480	6.450	9.110	15.580
NORMALIZED MAX	1.356	2.178	2.039	2.041	2.110	2.173	1.764	1.899	1.635	1.574	1.890	1.914	2.093
CALC. COEF. VAR	.326	.429	.432	.435	.419	.411	.406	.413	.422	.407	.401	.406	.343
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.293
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.1438	.1785	.1958	.2068	.2211	.2324	.2602	.2781	.3347	.3683	.4045	.5655	1.0000
RP10/A	.2096	.2687	.2997	.3169	.3363	.3519	.3936	.4193	.5029	.5598	.6065	.8413	.13850
RP5/A	.2451	.3100	.3559	.3748	.4026	.4216	.4614	.4856	.5456	.5979	.6459	.8159	.15595
RP2/A	.2166	.2553	.2642	.4166	.4360	.4474	.5092	.5372	.5718	.7180	.7755	.17718	.17255
RP100/A	.2166	.2905	.4351	.5550	.4755	.4944	.5549	.5835	.6986	.7694	.8418	.1.622	.1.7815
RP1000/A	.2170	.5026	.5581	.5789	.5985	.6241	.6975	.7265	.8689	.9733	1.0465	1.4415	2.1090
RP10000/A	.4711	.6101	.6753	.6960	.7139	.7438	.8312	.8593	.1.0271	.1.1525	.1.2366	.1.7009	.2.4360
PMP/A	.8794	1.1881	1.3587	1.4385	1.5112	1.5713	1.7551	1.8630	2.2227	2.5064	2.6734	3.665	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 800 5233 0 MAGERA 268 13 115 17E P M 36.970 120-049 20

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.19	1.37	1.54	1.69	1.84	1.96	2.16	2.35	2.76	3.06	3.66	5.26	9.73
5	1.60	1.89	2.14	2.36	2.54	2.70	2.96	3.21	3.76	4.19	4.97	7.09	12.32
10	1.85	2.23	2.53	2.78	2.97	3.15	3.45	3.74	4.37	4.89	5.77	8.22	13.81
20	2.09	2.54	2.90	3.16	3.37	3.57	3.92	4.21	4.92	5.51	6.49	9.23	15.12
25	2.17	2.64	3.01	3.28	3.49	3.70	4.06	4.35	5.05	5.70	6.71	9.54	15.73
40	2.21	2.85	3.08	3.52	3.74	3.98	4.34	4.64	5.33	6.10	7.17	10.47	16.32
50	2.29	2.94	3.48	3.77	3.94	4.26	4.79	5.29	5.95	6.78	7.37	10.47	16.68
100	2.61	3.23	3.68	3.99	4.20	4.45	4.88	5.20	6.07	6.82	8.00	11.35	17.77
200	2.82	3.52	4.00	4.32	4.54	4.80	5.27	5.60	6.53	7.35	8.61	12.20	18.80
1000	3.30	4.16	4.72	5.07	5.29	5.59	6.13	6.47	7.54	8.51	9.95	14.08	21.04
10000	3.96	5.05	5.71	6.10	6.31	6.66	7.31	7.66	8.92	10.08	11.76	16.61	23.97
PNP	7.78	9.84	11.48	12.60	13.36	14.07	15.43	16.60	19.30	21.91	25.92	35.76	53.51
MEAN	1.272	1.479	1.654	1.812	1.954	2.028	2.288	2.477	2.906	3.220	3.646	5.522	9.974
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.589	1.071	.766	.882	.820	.869	.780	.861	.809	.825	.621	1.199	1.161
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
KURTOSIS	8.047	4.370	3.159	3.392	3.268	3.496	2.998	3.108	3.005	3.308	2.539	4.558	4.475
N	54	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1911	1911	1956	1956	1956	1956	1911	1962	1922	1922	1958	1938	1969
RECORD MAXIMUM	2.750	2.750	2.910	3.360	3.750	4.020	4.200	4.680	5.580	6.530	7.340	11.000	20.180
NORMALIZED MAX	3.383	2.689	2.394	2.559	2.735	2.812	2.359	2.454	2.429	2.716	2.439	3.005	2.952
CALC. COEF. VAR	.343	.320	.317	.334	.336	.331	.354	.362	.379	.378	.372	.366	.347
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.1276	.1483	.1659	.1817	.1959	.2087	.2294	.2484	.2914	.3229	.3856	.5536	1.0000
RP10/A	.1859	.2323	.2539	.2784	.2980	.3169	.3470	.3745	.4378	.4898	.5783	.1.3850	
RP25/A	.2174	.2649	.3015	.3290	.3497	.3705	.4004	.4365	.5097	.5719	.730	.9559	
RP50/A	.2400	.3358	.3358	.3358	.3532	.3532	.3532	.4588	.4588	.4588	.4588	.4588	
RP75/A	.2633	.3636	.3636	.3636	.3636	.3636	.4458	.4458	.5212	.6081	.6841	.8025	.1.7815
RP100/A	.3309	.4774	.4728	.5085	.5303	.5604	.6146	.6490	.7564	.8532	.9977	1.4113	2.1090
RP1000/A	.3966	.5667	.5721	.6113	.6225	.6679	.7326	.7676	.8941	1.0102	1.1789	1.6653	2.4030
PMP/A	.7800	.9866	1.1511	1.2636	1.3391	1.4110	1.5471	1.6641	1.9347	2.1971	2.5488	3.5848	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 800 5368 0	STATION NAME MARSHALL RANCH	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		351	60	16	03N	07E	P	M	3R+103	121+216
									39	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.66	2.05	2.33	2.55	2.79	3.01	3.33	3.62	4.25	4.73	5.51	8.05	15.30
5	2.22	2.86	3.25	3.54	3.84	4.14	4.83	5.35	5.74	6.12	7.57	8.69	10.86
10	2.58	3.32	3.85	4.17	4.83	5.38	6.24	7.49	8.49	9.19	10.46	12.58	19.36
20	2.92	3.80	4.40	4.75	5.10	5.47	6.05	6.47	7.57	8.54	9.78	12.13	23.77
25	3.02	3.95	4.57	4.93	5.28	5.67	6.27	6.69	7.83	8.84	10.11	14.61	24.39
40	3.07	4.25	4.65	5.30	5.66	6.07	6.71	7.15	8.36	9.44	10.89	15.58	25.64
50	3.33	4.40	5.08	5.47	5.83	6.24	6.92	7.36	8.60	9.72	11.11	16.03	26.22
100	3.64	4.82	5.58	5.99	6.36	6.82	7.49	7.99	9.34	10.57	12.05	17.38	27.93
200	3.94	5.62	6.49	6.99	7.46	7.84	8.40	8.90	10.30	11.59	13.07	17.58	29.55
1000	4.60	6.22	7.16	7.62	8.01	8.57	9.48	9.95	11.51	13.16	14.99	21.56	33.06
10000	5.51	7.55	8.66	9.16	9.65	10.22	11.29	11.77	12.73	15.61	17.72	25.43	37.67
PMP/A	10.84	14.70	17.43	18.93	20.21	21.59	23.84	25.52	29.70	33.95	38.30	54.75	84.10

MEAN	1.772	2.208	2.512	2.722	2.967	3.193	3.535	3.809	4.474	4.989	5.795	8.456	15.675
CLOCK HR, COR.	1.670	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.296	.755	.489	.475	.557	.333	.288	.554	.653	.670	.898	.894	
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	2.889	2.717	3.135	3.107	2.562	2.961	2.889	2.595	2.675	3.324	3.706	3.273	3.279
N	39	36	38	38	36	37	36	37	37	37	37	37	38
RECORD YEAR	1951	1957	1926	1956	1951	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2.260	3.490	4.420	5.180	5.670	6.310	6.570	7.680	9.350	10.610	15.410	27.760	
NORMALIZED MAX	1.203	1.860	2.157	2.545	2.328	2.483	2.525	2.277	2.173	2.668	2.519	2.417	2.567
CALC., COEF., VAR	.229	.309	.352	.355	.323	.312	.310	.318	.330	.328	.330	.340	.300
REGN., COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.376	.374	.387	.374	.365	.291

MEAN/A	.1131	.1409	.1602	.1737	.1887	.2037	.2255	.2430	.2854	.3183	.3697	.5394	1.0000
RP10/A	.1647	.2121	.2453	.2661	.2669	.3084	.3411	.3664	.4288	.4829	.5544	.8026	1.1850
RP25/A	.1927	.2518	.2913	.3145	.3368	.3616	.3998	.4271	.4993	.5638	.6452	.9319	1.5559
RP50/A	.2127	.2804	.3242	.3469	.3720	.3991	.4413	.4695	.5486	.6204	.7088	1.0224	1.6725
RP1/A	.2320	.3082	.3561	.3821	.4057	.4350	.4809	.5100	.5956	.6744	.7694	1.0186	1.7815
RP100/A	.2500	.3256	.3766	.4151	.4577	.5070	.5655	.6199	.7000	.7910	.8955	1.0202	1.9109
RP1000/A	.3515	.4815	.5527	.5844	.6091	.6719	.7203	.7510	.8157	.8757	.9959	1.2022	1.6226
PMP/A	.6913	.9376	1.1120	1.2079	1.2896	1.3771	1.5210	1.6281	1.6950	2.1658	2.4435	3.4928	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 800 5535 0	STATION NAME MERCED 2	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		168	19	075	14E	A	M	37.315	120.470	24

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.61	1.74	1.89	2.00	2.23	2.45	2.69	3.19	3.54	4.23	6.22	11.46
5	1.74	2.21	2.43	2.62	2.89	3.06	3.36	3.57	3.94	4.86	5.75	8.39	14.50
10	2.02	2.61	2.87	3.09	3.38	3.58	3.93	4.27	5.04	5.67	6.63	9.71	14.26
20	2.29	2.98	3.25	3.52	3.83	4.05	4.45	4.81	5.68	6.39	7.52	10.91	17.80
25	2.36	3.10	3.41	3.65	3.97	4.19	4.61	4.98	5.87	6.62	7.77	11.28	14.27
40	2.40	3.34	3.67	3.92	4.25	4.49	4.93	5.32	6.27	7.07	8.30	12.03	19.21
50	2.61	3.45	3.80	4.05	4.38	4.63	5.08	5.48	6.45	7.28	8.54	12.38	19.64
100	2.83	3.79	4.17	4.44	4.84	5.08	5.55	5.95	7.01	7.92	9.27	13.2	20.92
200	3.08	4.43	4.53	4.81	5.15	5.56	5.98	6.40	7.54	8.52	9.97	14.42	22.13
1000	4.68	6.88	5.35	5.64	6.02	6.35	6.96	7.40	8.72	9.87	11.52	16.64	28.22
10000	4.31	5.93	6.47	6.78	7.18	7.56	8.30	8.76	10.30	11.69	13.61	19.64	28.22
PMP/A	8.48	11.54	13.03	14.02	15.19	15.97	17.52	18.99	22.29	25.42	29.43	42.28	62.99

MEAN	1.387	1.734	1.877	2.016	2.223	2.363	2.598	2.834	3.358	3.736	4.452	6.530	11.742
CLOCK HR, COR.	1.140	1.670	1.000	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.276	1.010	1.119	.941	1.014	.990	1.124	1.042	.836	1.014	.873	1.012	.705
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.500
SKEW USED	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.500

KURTOSIS	5.544	4.481	5.064	4.325	5.103	4.493	4.260	3.898	3.093	3.755	3.438	3.842	3.363
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1951	1911	1956	1911	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2.690	3.540	4.170	4.300	5.270	5.290	5.590	5.940	6.880	7.710	9.600	14.630	23.390
NORMALIZED MAX	3.038	3.038	3.339	3.170	3.825	3.559	3.131	3.026	2.698	2.751	2.992	3.229	3.082
CALC., COEF., VAR	.309	.343	.366	.357	.358	.348	.368	.362	.389	.387	.386	.384	.322
REGN., COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF., VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1181	.1477	.1598	.1717	.1893	.2013	.2213	.2413	.2860	.3181	.3792	.5561	1.0000
RP1/A	.1722	.2223	.2447	.2631	.2879	.3047	.3347	.3639	.4297	.4827	.5687	.8274	1.3850
RP25/A	.2014	.2639	.2906	.3110	.3379	.3573	.3923	.4241	.5003	.5635	.6619	.9607	1.5559
RP50/A	.2223	.2939	.3235	.3450	.3733	.3943	.4329	.4663	.5497	.6202	.7211	.1054	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB		91	29	035	09E	H	H	37.647	121.001	50
800 5738 0	MODESTO									

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.26	1.55	1.74	1.91	2.07	2.21	2.45	2.68	3.12	3.39	3.99	5.93	11.42
5	1.68	2.14	2.42	2.65	2.86	3.13	3.48	3.93	4.65	4.65	5.43	8.01	14.46
10	1.86	2.52	2.86	3.13	3.25	3.58	3.93	4.25	4.93	5.42	6.30	9.27	16.22
20	2.22	2.88	3.27	3.57	3.79	4.02	4.44	4.79	5.55	6.12	7.09	10.42	17.75
25	2.29	2.99	3.40	3.70	3.93	4.17	4.60	4.95	5.74	6.33	7.33	10.77	18.22
40	2.33	3.22	3.46	3.98	4.21	4.46	4.93	5.29	6.13	6.76	7.83	11.48	19.15
50	2.53	3.33	3.78	4.11	4.34	4.60	5.08	5.44	6.30	6.96	8.05	11.81	19.58
100	2.73	3.66	4.16	4.50	4.73	5.01	5.54	5.91	6.85	7.57	8.4	12.81	20.86
200	2.98	3.99	4.52	4.89	5.14	5.46	5.96	6.36	7.36	8.31	9.41	13.17	22.17
1000	3.48	4.71	5.21	5.73	5.96	6.30	6.96	7.36	8.51	9.44	11.87	15.89	24.49
10000	4.18	5.72	6.45	6.88	7.11	7.51	8.29	8.71	10.06	11.18	12.85	18.75	28.13
PHP	8.22	11.14	12.98	14.23	15.05	15.87	17.51	18.88	21.78	24.31	27.77	40.36	62.81
MEAN	1.343	1.674	1.870	2.046	2.201	2.349	2.595	2.818	3.280	3.573	4.202	6.233	11.708
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.023	.988	1.210	1.096	1.066	.977	.744	.629	.191	.206	.401	.530	.366
REGIONAL SKW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	4.244	4.846	5.189	4.941	4.843	4.435	3.924	3.763	3.088	3.335	3.948	3.444	3.055
N	86	87	87	87	87	87	87	87	87	87	87	87	87
RECORD YEAR	1953	1958	1958	1954	1953	1958	1958	1958	1958	1958	1958	1958	1958
RECORD MAXIMUM	3.73	3.50	4.080	4.450	4.810	4.870	5.230	5.390	5.850	6.900	8.880	13.090	23.040
NORMALIZED MAX	2.423	3.357	3.345	3.339	3.339	3.135	3.081	2.854	2.591	3.064	3.424	3.010	2.943
CALC. COEF. VAR	.315	.356	.353	.352	.355	.343	.329	.320	.302	.304	.325	.366	.329
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	1.148	1.430	.1597	.1747	.1880	.2005	.2217	.2407	.2801	.3052	.3589	.5324	1.0000
RP10/A	1.672	2.153	2.445	2.677	2.859	3.036	3.354	3.629	4.209	4.630	5.583	.7920	1.3850
RP25/A	1.956	2.556	2.904	3.164	3.356	3.560	3.931	4.229	4.901	5.405	6.264	.9166	1.5559
RP50/A	2.159	2.846	3.232	3.511	3.707	3.929	4.338	4.650	5.385	5.944	6.882	1.0090	1.6725
RP100/A	2.355	3.128	3.549	3.844	4.043	4.282	4.728	5.051	5.847	6.466	7.470	1.0941	1.7815
RP1000/A	2.976	4.026	4.553	4.891	5.089	5.384	5.942	6.288	7.272	8.064	9.201	1.3571	2.1090
RP10000/A	3.568	4.887	5.509	5.880	6.070	6.417	7.081	7.438	8.956	9.984	10.973	1.6070	2.4040
PHP/A	.7017	.9517	1.1085	1.2153	1.2951	1.3556	1.4952	1.6125	1.8802	2.0765	2.3723	3.4470	5.3560

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB		414	225	36	045	11E	H	37.550	120.700	50
800 5819 11	MONTEPLIER									

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.57	1.74	2.14	2.31	2.45	2.62	2.83	3.04	3.55	3.92	4.66	6.74	12.14
5	2.10	2.49	2.98	3.21	3.38	3.55	3.84	4.15	4.69	5.18	6.33	10.37	
10	2.44	2.85	3.23	3.49	3.75	4.04	4.29	4.54	5.03	5.61	6.37	10.54	17.23
20	2.75	3.24	4.03	4.31	4.48	4.75	5.14	5.44	6.31	7.08	8.27	11.84	18.86
25	2.65	3.36	4.19	4.47	4.64	4.92	5.33	5.62	6.53	7.32	8.55	12.24	19.36
40	2.90	3.62	4.26	4.81	4.97	5.27	5.70	6.01	6.97	7.83	9.13	13.05	20.35
50	3.15	3.74	4.66	4.96	5.13	5.43	5.88	6.18	7.18	8.06	9.39	13.43	20.81
100	3.43	4.11	5.12	5.44	5.59	5.82	6.41	6.72	7.76	8.76	9.76	13.19	22.45
200	3.71	4.48	5.62	5.89	6.04	6.42	7.02	7.42	8.38	9.3	10.97	15.65	24.45
1000	4.36	5.59	6.62	7.04	7.45	8.05	8.36	9.69	10.92	12.67	15.05	26.24	
10000	5.20	6.43	7.94	8.31	8.80	8.87	9.59	9.89	11.45	12.94	14.98	21.31	29.90
PHP	10.23	12.52	15.98	17.18	17.77	18.75	20.26	21.44	24.79	28.13	32.38	45.87	66.74
MEAN	1.672	1.881	2.302	2.471	2.601	2.773	3.003	3.200	3.733	4.134	4.898	7.084	12.441
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.049	.919	.838	.759	.628	.573	.715	.892	1.083	1.195	.450	.490	.3134
REGIONAL SKW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	2.869	3.329	3.862	2.880	3.089	3.240	3.506	3.936	4.233	4.299	2.621	3.110	3.060	
N	27	27	191	191	191	191	191	191	191	191	191	191	191	1906
RECORD MAXIMUM	1907	1917	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	
NORMALIZED MAX	2.300	2.430	4.040	4.150	4.410	4.890	5.440	6.130	6.980	8.030	9.010	13.540	16.900	
CALC. COEF. VAR	1.300	1.866	2.299	2.014	2.005	2.184	2.404	2.440	2.485	2.412	2.119	2.347	1.834	
REGN. COEF. VAR	.289	.271	.332	.339	.347	.350	.334	.375	.350	.391	.396	.388	.287	
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387	.374	.365	.291	

MEAN/A	.1344	.1512	.1851	.1986	.2090	.2229	.2414	.2572	.3001	.3323	.3937	.5694	i.0000
RP10/A	.1959	.2276	.2833	.3043	.3179	.3375	.3652	.3878	.4508	.5642	.5905	.8472	1.3850
RP25/A	.2291	.2702	.3364	.3596	.3732	.3957	.4280	.4520	.5249	.5885	.6872	.9837	1.5559
RP50/A	.2529	.3009	.3745	.3990	.4122	.4367	.4724	.4970	.5768	.6478	.7549	1.0793	1.6725
RP100/A	.2759	.3307	.4113	.4369	.4495	.4760	.5148	.5398	.6252	.7041	.8143	1.1515	1.8109
RP1000/A	.3487	.4256	.5275	.5585	.5955	.5985	.6150	.6310	.6790	.7117	.7456	1.4516	2.0303
RP10000/A	.4175	.5161	.6833	.6983	.6749	.7153	.7711	.7949	.8207	.8398	.8694	1.2338	1.7128
PHP/A	.6220	1.0601	1.2043	1.4288	1.4500	1.6283	1.7234	1.9924	2.2413	2.6025	3.6970	5.3550	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
800 6168 0 STATION NAME NEWMAN ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
108 12 075 08E M 37°34' 121°08' 50

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.61	1.80	1.94	2.08	2.20	2.43	2.61	3.04	3.33	3.86	5.67	9.94
5	1.74	2.22	2.51	2.69	2.80	3.02	3.33	3.56	4.14	4.56	5.25	7.65	12.58
10	2.02	2.42	2.37	2.57	3.08	3.53	3.84	4.14	4.81	5.20	6.10	8.86	14.11
20	2.28	3.00	3.16	3.79	4.40	4.41	4.47	5.41	6.00	6.80	9.95	14.45	
25	2.38	3.11	3.53	3.75	3.93	4.14	4.56	4.83	5.60	6.21	7.10	10.29	15.85
40	2.60	3.37	3.59	4.03	4.21	4.43	4.89	5.16	5.98	6.64	7.57	10.97	16.66
50	2.61	3.47	3.92	4.16	4.34	4.57	5.04	5.31	6.15	6.83	7.80	11.29	17.04
100	2.85	3.81	4.31	4.55	4.74	4.96	5.49	5.77	6.68	7.43	8.46	12.24	16.15
200	3.08	4.15	4.68	5.00	5.12	5.38	5.93	6.21	7.19	8.00	9.00	13.15	19.20
1000	3.46	4.51	5.53	5.79	5.90	6.18	6.91	7.16	8.16	10.52	15.20	21.48	
PMP	4.31	5.96	6.49	6.96	7.13	7.46	8.22	8.49	9.82	10.97	12.43	17.91	24.48
	8.48	11.60	13.46	14.40	15.05	15.76	17.16	18.41	21.25	23.85	26.87	38.56	54.65
MEAN	1.387	1.743	1.939	2.070	2.202	2.332	2.573	2.748	3.200	3.505	4.066	5.955	10.186
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.567	.891	.769	.571	.537	.341	.476	.574	.692	.686	.772	.880	.743
REGIONAL SKW	1.106	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
KURTOSIS	2.921	3.529	3.253	2.722	2.952	2.537	2.684	2.903	3.110	3.026	3.581	3.284	
N	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.76	.77
RECORD YEAR	1971	1971	1971	1971	1971	1971	1971	1971	1971	1971	1971	1971	1956
RECORD MAXIMUM	2.300	3.420	3.970	4.080	4.270	4.400	4.780	5.370	6.650	6.940	8.310	12.630	20.540
NORMALIZED MAX	1.886	2.527	2.778	2.563	2.600	2.416	2.310	2.571	2.818	2.631	2.658	2.802	2.934
CALC. COEF. VAR	.349	.381	.377	.379	.361	.364	.371	.383	.373	.393	.400	.346	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.1361	.1711	.1904	.2032	.2126	.2289	.2526	.2698	.3141	.3441	.3991	.5846	1.0000
RP1/A	.1984	.2576	.2915	.3113	.3288	.3466	.3822	.4068	.4720	.5221	.5986	.8688	1.0000
RP2/A	.2320	.3058	.3481	.3680	.3859	.4063	.4479	.4741	.5490	.6095	.6967	1.0099	1.6559
RP50/A	.2561	.3405	.3853	.4083	.4263	.4485	.4943	.5212	.6039	.6707	.7653	1.1080	1.4725
RP100/A	.2794	.3743	.4231	.4470	.4649	.4889	.5388	.5661	.6556	.7291	.8307	1.2015	1.7815
RP1000/A	.3531	.4817	.5427	.5687	.5852	.6146	.6772	.7049	.8155	.9093	1.0327	1.4903	2.1090
RP10000/A	.4232	.5848	.6567	.6837	.6980	.7325	.8069	.8637	.9839	1.0767	1.2263	.15784	2.0320
RPm/A	.8324	1.1387	1.3213	1.4132	1.4777	1.5475	1.7040	1.8674	2.0859	2.3415	2.6383	3.7853	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
800 8322 0 STATION NAME SNOW RANCH ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
240 12 01N 10E 0 M 37°94' 120°82' 50

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	F YR
2	1.55	2.03	2.33	2.53	2.79	2.96	3.31	3.69	4.74	5.67	8.93	16.37	
5	2.07	2.86	3.52	3.84	4.07	4.24	5.03	6.50	7.90	12.05	20.46		
10	2.49	3.30	3.91	4.15	4.54	4.75	5.31	5.55	7.00	8.99	13.44	23.64	
20	2.72	3.77	4.39	4.73	5.19	5.39	6.00	6.60	8.55	10.06	15.67	25.13	
25	2.82	3.92	4.54	4.90	5.28	5.57	6.22	6.82	8.84	10.40	16.20	26.89	
40	2.86	4.23	4.64	5.27	5.65	5.97	6.66	7.29	9.45	11.11	17.28	25.45	
50	3.11	3.37	3.57	5.07	5.44	5.83	6.15	6.86	7.50	9.73	11.43	17.78	29.17
100	3.39	4.86	5.57	5.96	6.36	6.70	7.48	8.15	10.58	12.41	19.27	31.34	
200	3.67	5.22	6.06	6.45	6.87	7.24	8.08	8.77	11.37	13.35	20.72	33.43	
400	4.29	6.18	7.15	7.58	8.00	8.43	9.00	10.14	12.19	15.44	23.95	38.04	
1000	5.14	7.56	8.85	9.11	9.43	10.05	11.20	12.00	15.82	18.23	25.21	44.27	
PMP	10.11	14.86	17.40	18.84	20.20	21.22	23.66	26.01	33.97	39.40	6.73	91.32	
MEAN	1.653	2.194	2.506	2.708	2.956	3.139	3.508	3.883	4.993	5.961	9.378	17.021	
CLOCK HR. COR.	1.140	1.070	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKW	1.618	.770	.579	.245	.241	.394	.723	.694	.439	.413	.642	.225	
REGIONAL SKW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.800
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.800
KURTOSIS	5.552	3.554	2.762	2.434	2.822	3.090	4.114	3.367	2.692	2.894	3.084	2.360	
N	33	33	33	33	33	33	33	33	32	32	32	32	
RECORD YEAR	1960	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	
RECORD MAXIMUM	3.010	3.080	4.260	4.460	4.500	5.000	6.330	7.600	8.000	9.400	16.350	26.320	
NORMALIZED MAX	2.466	2.130	2.050	2.041	2.275	2.447	2.621	2.546	2.091	2.088	2.357	2.095	
CALC. COEF. VAR	.333	.301	.334	.317	.283	.294	.308	.340	.315	.311	.310	.261	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.387	.374	.365	.291	
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.387	.374	.365	.291	
MEAN/A	.0971	.1289	.1473	.1591	.1737	.1844	.2061	.2281	.2933	.3502	.5510	1.0000	
RP10/A	.1415	.1941	.2556	.2488	.2641	.2793	.3110	.3440	.4450	.5283	.6198	1.0809	
RP25/A	.1655	.2304	.2579	.2892	.3100	.3274	.3654	.4099	.5196	.6113	.9518	1.5800	
RP50/A	.1827	.2568	.2982	.3197	.3424	.3614	.4033	.4407	.5718	.6715	1.0443	1.7138	
RP100/A	.1993	.2820	.3274	.3501	.3735	.3939	.4395	.4787	.6215	.7289	.8124	1.6813	
RP1000/A	.2518	.3630	.4200	.4454	.4701	.4952	.5525	.5960	.7751	.9062	1.0466	2.2351	
RP10000/A	.3019	.4406	.5082	.5354	.5667	.5902	.6853	.7050	.9178	.1.0768	.1.0574	2.6609	
RPm/A	.5937	.8580	1.0226	1.1087	1.1871	1.2669	1.3901	1.5284	1.9900	2.3150	3.5677	5.3650	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 800 8560 0 STOCKTON FS4 131 12 21 02N 06E R M 38.000 121.316 39

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.49	1.87	2.10	2.30	2.53	2.69	2.97	3.30	3.83	4.23	5.02	7.40	13.78
5	1.99	2.58	2.93	3.19	3.49	3.70	4.08	4.50	5.21	5.80	6.83	9.99	17.45
10	2.32	3.04	3.47	3.76	4.09	4.32	4.76	5.23	6.05	6.76	7.93	11.57	19.56
20	2.62	3.48	3.96	4.28	4.63	4.89	5.39	5.89	6.81	7.62	8.92	12.59	21.42
25	2.71	3.61	4.12	4.42	4.80	5.07	5.58	6.10	7.05	7.89	9.23	13.43	21.98
40	2.95	3.99	4.59	4.98	5.34	5.64	6.16	6.72	7.63	8.53	9.95	14.27	23.11
50	3.09	4.02	4.58	4.93	5.30	5.59	6.16	6.70	7.74	8.68	10.13	14.73	23.62
100	3.26	4.42	5.03	5.40	5.76	6.10	6.72	7.28	8.41	9.43	11.00	15.98	25.17
200	3.53	4.81	5.47	5.88	6.24	6.58	7.25	7.84	9.04	10.18	11.83	17.17	26.63
1000	4.12	5.69	6.46	6.87	7.27	7.66	8.44	9.07	10.46	11.77	13.68	19.82	29.79
10000	4.94	6.91	7.81	8.25	8.68	9.13	10.06	10.72	12.38	13.93	16.16	23.38	33.94
PMP	9.72	13.46	15.72	17.07	18.37	19.30	21.24	23.25	26.74	30.30	34.94	50.34	75.79

MEAN	1.589	2.022	2.265	2.455	2.687	2.855	3.149	3.470	4.028	4.453	5.286	7.774	14.126
CLOCK MR. COR.	1.140	1.707	1.940	2.020	2.010	2.010	2.000	2.000	2.000	2.000	2.000	2.000	2.000
CALCULATED SKEW	1.760	1.761	1.164	1.842	1.707	.808	.481	.478	.475	.700	.826	.700	.189
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	7.662	4.905	4.601	3.639	3.363	3.269	2.474	2.495	2.462	3.534	4.142	3.600	2.530
N	78	78	78	78	78	78	78	78	78	78	78	78	78
RECORD YEAR	1963	1963	1963	1963	1967	1967	1956	1899	1911	1911	1911	1911	1958
RECORD MAXIMUM	3.200	4.300	5.100	5.110	5.400	5.520	5.700	6.220	7.430	9.790	11.950	16.950	25.210
NORMALIZED MAX	3.061	3.206	3.335	3.321	2.922	2.689	2.393	2.311	2.343	3.296	3.548	3.287	2.710
CALC. COEF. VAR	.331	.351	.375	.357	.345	.347	.338	.343	.347	.364	.355	.350	.290
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1125	.1432	.1603	.1738	.1902	.2021	.2229	.2456	.2851	.3192	.3742	.5503	1.0000
RPM/A	.1639	.2155	.2454	.2663	.2893	.3060	.3372	.3704	.4203	.4703	.5612	.7000	1.3850
RPM2/A	.1917	.2500	.2814	.3036	.3586	.3937	.4302	.4888	.5374	.5911	.6507	.7000	1.5500
RPM5/A	.2217	.2849	.3244	.3492	.3751	.4129	.4362	.4746	.5481	.6145	.7175	.8043	1.6725
RPM10/A	.2309	.3131	.3563	.3823	.4091	.4316	.4754	.5155	.5951	.6679	.7788	.8130	1.7815
RPM100/A	.2918	.4030	.4570	.4866	.5150	.5426	.5976	.6418	.7402	.8330	.9682	1.0429	2.1090
RPM1000/A	.3498	.4892	.5529	.5848	.6142	.6467	.7121	.7591	.8749	.9063	1.1440	1.6554	2.4030
RPM/P/A	.6879	.9527	1.1120	1.2087	1.3003	1.3661	1.5036	1.6457	1.8933	2.1451	2.4733	3.5634	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 800 9673 0 TURLOCK 192 115 22 055 10E 0 M 37.491 120.850 50

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.31	1.59	1.76	1.88	2.07	2.21	2.45	2.64	3.13	3.45	4.14	6.19	11.40
5	1.76	2.19	2.45	2.62	2.86	3.04	3.36	3.61	4.25	4.73	5.63	8.35	14.42
10	2.04	2.59	2.90	3.08	3.35	3.55	3.93	4.19	4.94	5.52	6.54	9.67	16.17
20	2.30	2.96	3.31	3.51	3.79	4.02	4.44	4.72	5.56	6.22	7.35	10.40	17.71
25	2.39	3.07	3.44	3.64	3.93	4.16	4.60	4.93	5.72	6.44	7.61	11.23	19.17
40	2.43	3.21	3.60	3.78	4.01	4.21	4.64	4.99	5.72	6.44	7.61	11.23	19.17
50	2.43	3.42	3.83	4.04	4.24	4.46	4.89	5.08	5.37	6.32	7.09	8.35	19.53
100	2.67	3.76	4.21	4.43	4.73	5.01	5.54	5.80	6.86	7.70	9.07	13.36	20.80
200	3.11	4.09	4.57	4.80	5.11	5.41	5.98	6.28	7.38	8.30	9.76	14.36	22.01
1000	3.63	4.84	5.30	5.63	5.96	6.30	6.96	7.27	8.54	9.61	11.27	16.57	24.63
10000	4.35	5.88	6.53	6.77	7.10	7.51	8.29	8.57	10.09	11.38	13.32	19.55	28.08
PMP	8.56	11.44	13.13	13.99	15.04	15.86	17.51	18.63	21.83	24.74	28.80	42.08	62.85

MEAN	1.400	1.719	1.892	2.012	2.200	2.569	2.781	3.288	3.636	4.357	6.499	11.678	
CLOCK MR. COR.	1.140	1.707	1.940	2.020	2.010	2.010	2.000	2.000	2.000	2.000	2.000	2.000	2.000
CALCULATED SKEW	.452	.826	.831	.723	.602	.519	.650	.559	.522	.607	.717	.743	.415
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	3.243	4.450	4.430	3.623	3.286	3.087	3.117	3.030	2.652	2.980	3.380	3.463	2.665
N	81	81	81	81	81	81	81	81	81	81	81	81	81
RECORD YEAR	1916	1907	1907	1907	1907	1907	1969	1969	1969	1969	1969	1969	1958
RECORD MAXIMUM	2.240	3.320	4.000	4.040	4.240	4.300	4.960	5.060	5.650	6.580	9.030	13.400	20.740
NORMALIZED MAX	2.176	3.199	3.511	3.112	2.907	2.723	2.791	2.623	2.281	2.445	3.114	2.977	2.519
CALC. COEF. VAR	.276	.391	.311	.327	.319	.306	.326	.322	.315	.331	.344	.372	.300
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1198	.1472	.1621	.1723	.1884	.2009	.2223	.2382	.2816	.3114	.3731	.5565	1.0000
RPM/A	.1746	.2216	.2481	.2640	.2825	.3042	.3365	.3591	.4231	.4724	.5596	.6260	1.0850
RPM2/A	.2043	.2640	.3120	.3233	.3425	.3618	.4126	.4545	.5513	.6161	.7459	.8539	1.7815
RPM5/A	.2255	.3030	.3279	.3382	.3791	.3934	.4551	.4602	.5413	.6070	.7155	1.0546	1.6725
RPM10/A	.2460	.3220	.3601	.3791	.4051	.4294	.4742	.4999	.5877	.6598	.7766	1.1436	1.7815
RPM100/A	.3108	.4144	.4620	.4822	.5100	.5394	.5960	.6223	.7310	.8029	.9655	1.4167	2.1090
RPM1000/A	.3726	.5031	.5590	.5798	.6083	.6429	.7102	.7360	.8660	.9743	1.1409	1.6760	2.4030
RPM/P/A	.7329	.9797	1.1247	1.1983	1.2877	1.3585	1.4994	1.5957	1.8698	2.1190	2.4665	3.6033	5.3530

PEARSON TYPE III DISTRIBUTION USED  
PREDICTABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 800 9418 0 WALLACE 361 214 22 04N 09E J M 38°18' 120°96' 05'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.04	2.47	2.80	3.03	3.31	3.58	3.92	4.30	5.17	5.71	6.82	10.07	16.81
5	2.73	3.40	3.90	4.21	4.54	4.91	5.38	5.87	7.13	7.83	9.27	13.80	23.81
10	3.1	4.01	4.86	4.98	5.14	5.74	6.29	6.74	8.19	9.19	10.33	16.76	29.77
20	3.58	4.58	5.27	5.65	6.05	6.70	7.12	7.70	9.19	10.31	12.53	17.68	29.23
25	3.71	4.75	5.48	5.85	6.27	6.73	7.37	7.96	9.51	10.85	12.53	16.27	29.99
40	3.77	5.12	5.58	6.30	6.72	7.21	7.89	8.51	10.15	11.39	13.37	19.49	31.54
50	4.09	5.30	6.10	6.50	6.92	7.43	8.13	8.76	10.45	11.73	13.76	20.05	32.24
100	4.46	5.82	6.70	7.12	7.55	8.10	8.87	9.51	11.30	12.74	14.94	21.74	34.34
200	4.83	6.33	7.26	7.78	8.16	8.75	9.37	10.24	12.20	13.73	16.07	23.36	36.34
500	5.76	7.59	8.96	9.50	10.18	10.81	11.54	12.36	15.01	16.57	19.96	24.05	36.46
1000	6.76	9.09	10.40	10.89	11.26	11.94	13.28	14.00	16.68	18.82	21.91	31.81	46.33
10000	13.30	17.71	20.92	22.51	24.00	25.64	28.04	30.30	36.09	40.93	47.44	68.49	103.43
PHM													

MEAN	2,175	2,661	3,014	3,237	3,511	3,793	4,157	4,532	5,435	6,015	7,176	10,577	19,278
CLOCK HR. COEF.	1,140	1,070	1,040	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.801	.996	.707	.561	.418	.670	.638	.497	.560	.866	.692	.625	.367
REGIONAL SKEW	1,160	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500
USED SKEW	1,100	1,200	1,100	1,000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	3,448	4,083	2,982	2,563	3,101	3,173	3,295	3,115	2,980	4,088	3,249	2,951	2,214
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	3,960	3,955	1,756	1,956	1,964	1,956	1,956	1,966	1,966	1,956	1,956	1,956	1,956
RECORD MAXIMUM	3,460	4,980	5,400	5,500	5,600	4,950	7,800	8,100	9,000	12,420	12,720	19,520	30,570
NORMALIZED MAX	2,111	2,663	2,578	2,213	2,755	2,692	2,862	2,644	2,449	2,958	2,398	2,541	2,198
CALC. COEF. VAR	.310	.316	.338	.337	.309	.310	.304	.333	.345	.324	.335	.266	.266
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

HEAN/A	.1128	.1380	.1563	.1679	.1821	.1968	.2156	.2351	.2819	.3120	.3723	.5487	1,0000
RP10/A	.1544	.2078	.2394	.2573	.2770	.2979	.3262	.3544	.4236	.4734	.5583	.8163	.1,3850
RP25/A	.1923	.2466	.2842	.3041	.3252	.3493	.3823	.4131	.4932	.5527	.6497	.9478	.1,5559
RP50/A	.2123	.2747	.3164	.3374	.3591	.3855	.4219	.4542	.5419	.6062	.7138	.1,0399	.1,6725
RP100/A	.2316	.3019	.3474	.3694	.3917	.4202	.4599	.4933	.5884	.6611	.7747	.1,2176	.1,7815
RP1000/A	.2926	.3886	.4457	.4700	.4930	.5283	.5780	.6142	.7318	.8245	.9632	.1,3986	.2,1090
RP10000/A	.3508	.4717	.5593	.5650	.5881	.6296	.6888	.7265	.8651	.9763	1,1381	.1,6503	.2,4030
PHM/A	.6900	.9185	1,0850	1,1678	1,2449	1,3300	1,4544	1,5749	1,8720	2,1232	2,4606	3,5525	5,3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 800 9639 0 WHITE ROCK 153 353 10 08N 08E H M 38°56' 121°060' 34'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.09	2.85	3.37	3.69	4.03	4.33	4.69	5.11	6.18	6.80	8.10	11.84	22.35
5	3.83	4.93	5.15	5.35	5.94	6.43	6.98	8.40	9.32	11.24	15.98	26.29	41.72
10	3.25	4.43	5.00	5.64	6.00	6.50	6.95	7.52	8.62	9.85	10.87	13.17	21.72
20	3.67	5.29	6.35	6.88	7.46	8.00	8.50	9.15	10.99	12.26	14.39	20.79	31.73
25	3.80	5.50	6.60	7.14	7.63	8.14	8.81	9.44	11.17	12.69	14.88	21.49	35.63
40	3.87	5.93	6.72	7.68	8.17	8.72	9.43	10.11	12.14	13.56	15.88	22.92	37.46
50	4.20	6.12	7.34	7.92	8.42	8.99	9.72	10.40	12.49	13.96	16.34	23.58	38.30
100	4.58	6.73	8.07	8.68	9.19	9.86	10.60	11.30	13.55	15.17	17.74	25.57	40.80
200	4.95	7.32	8.74	9.41	9.93	10.58	11.44	12.16	14.59	16.34	19.26	27.46	43.17
500	5.66	10.15	11.34	11.87	12.32	13.32	14.37	15.47	17.67	19.87	22.85	31.11	48.30
1000	6.13	10.52	12.52	13.27	14.79	14.98	16.64	19.94	22.41	24.04	31.42	45.03	
10000	13.64	20.48	25.19	27.43	29.20	31.01	33.51	36.07	43.15	48.74	59.34	80.55	122.67
PHM													

MEAN	2,230	3,077	3,629	3,944	4,273	4,588	4,968	5,383	6,499	7,162	8,523	12,441	22,902
CLOCK HR. COEF.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.518	.631	.644	.464	.429	.427	.511	.399	.457	.531	.711	.444	
REGIONAL SKEW	1,100	1,200	1,100	1,000	.900	.900	.800	.800	.800	.800	.800	.800	.500
USED SKEW	1,100	1,200	1,100	1,000	.900	.900	.800	.800	.800	.800	.800	.800	.500
KURTOSIS	3,285	2,732	2,972	2,716	2,429	2,353	2,647	2,321	2,202	2,726	2,853	2,844	2,244
N	42	153	194	193	195	195	195	195	195	195	195	195	195
RECORD YEAR	1,943	1,950	1,943	1,953	1,951	1,953	1,956	1,958	1,956	1,956	1,956	1,956	1,956
RECORD MAXIMUM	3,340	5,670	6,620	7,140	7,410	7,600	8,040	9,460	10,800	13,290	15,240	21,930	36,880
NORMALIZED MAX	1,733	2,648	2,343	2,306	2,134	1,956	2,050	2,251	2,003	2,439	2,364	2,324	
CALC. COEF. VAR	.287	.316	.352	.354	.344	.336	.335	.336	.340	.351	.335	.328	.270
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0974	.1344	.1505	.1722	.1866	.2003	.2169	.2351	.2838	.3127	.3721	.5432	.1,0000
RP10/A	.1419	.2623	.2426	.2638	.2937	.3033	.3282	.3544	.4284	.4745	.5581	.8082	.1,3850
RP25/A	.1660	.2401	.2861	.3119	.3330	.3556	.3846	.4131	.4984	.5539	.6495	.9384	.1,5559
RP50/A	.1832	.2574	.2307	.3460	.3676	.3925	.4245	.4541	.5455	.6096	.7136	.1,0296	.1,6725
RP100/A	.1999	.2939	.3522	.3789	.4012	.4278	.4627	.4933	.5922	.6626	.7745	.1,1164	.1,7815
RP1000/A	.2526	.3785	.4282	.4820	.5050	.5379	.5815	.6142	.7366	.8264	.9629	.1,3848	.2,1090
RP10000/A	.2628	.4029	.4546	.5075	.5343	.6410	.6925	.7744	.8767	.9785	.1,1381	.1,6340	.2,4030
PHM/A	.3755	.8942	1,0998	1,1977	1,2751	1,3542	1,4032	1,5748	1,6043	2,1201	2,4599	3,5173	.5,3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 800 9859 0 YOUNGSTOWN 362 65 20 0AN 07E N M 38.177 121.241 39

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.64	2.14	2.46	2.67	2.90	3.13	3.43	3.83	4.38	4.86	5.89	8.38	15.79
5	2.19	2.95	3.43	3.71	3.99	4.30	4.71	5.22	5.96	6.67	8.00	11.30	19.98
10	2.54	3.48	4.05	4.37	4.67	5.03	5.50	6.08	6.92	7.77	9.29	13.09	22.41
20	2.87	3.98	4.63	4.98	5.29	5.69	6.22	6.84	7.80	8.77	10.46	14.71	24.53
25	2.97	4.13	4.84	5.17	5.59	6.04	6.45	7.08	8.04	9.07	10.81	15.17	25.17
40	3.02	4.45	5.00	5.55	5.88	6.31	6.76	7.36	8.61	9.99	11.54	16.26	26.46
50	3.28	4.60	5.36	5.73	6.06	6.50	7.11	7.78	8.86	9.98	11.88	16.68	26.06
100	3.58	5.06	5.88	6.28	6.61	7.09	7.75	8.46	9.62	10.85	12.89	18.09	26.82
200	3.87	5.51	6.40	6.80	7.14	7.65	8.37	9.10	10.35	11.69	13.87	19.44	30.49
1000	4.52	6.51	7.55	7.98	8.32	8.91	9.75	10.53	11.96	13.53	16.03	22.43	34.12
10000	5.42	7.91	9.13	9.60	9.92	10.62	11.61	12.45	14.14	16.02	18.94	26.47	38.87
PMP	10.67	15.40	18.37	19.84	21.00	22.64	24.52	26.99	30.60	34.85	40.95	56.98	86.79

MEAN	1.745	2.314	2.647	2.853	3.072	3.319	3.636	4.029	4.608	5.121	6.195	8.800	16.177
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.973	.781	.738	.404	.256	.197	.240	.252	.455	.497	.563	.416	.704
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	4.820	3.887	2.937	2.168	2.416	2.820	3.068	2.581	2.611	3.215	3.255	3.083	3.159
N	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
RECORD MAXIMUM	2.830	3.870	4.410	4.410	5.130	5.740	6.350	7.970	9.640	11.010	15.120	27.680	
NORMALIZED MAX	2.224	2.155	1.860	1.844	2.055	2.201	2.310	2.455	2.515	2.625	2.745	2.835	
CALC. COEF. VAR	.286	.312	.354	.332	.324	.323	.319	.334	.345	.351	.343	.328	.292
REGN. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.390	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.01076	.1430	.1637	.1764	.1899	.2052	.2248	.2491	.2849	.3166	.3630	.5440	i.0000
RPI0/A	.01572	.2153	.2500	.2702	.2868	.3008	.3400	.4040	.4640	.5744	.6684	.9397	i.0000
RP25/A	.0156	.2156	.2575	.2890	.3062	.3277	.3477	.4090	.4690	.5699	.6684	.9359	i.0000
RP50/A	.0209	.2846	.3312	.3543	.3744	.4026	.4398	.4812	.5476	.6711	.7433	1.0310	1.6725
RP100/A	.0221	.3128	.3637	.3880	.4084	.4381	.4793	.5227	.5945	.6768	.7971	1.1180	1.7815
RP1000/A	.02797	.4026	.4665	.4936	.5141	.5509	.6025	.6508	.7395	.8366	.9909	1.3867	2.1090
RP10000/A	.0353	.4868	.5645	.5934	.6131	.6565	.7179	.7697	.8741	.9966	1.1709	1.6362	2.4030
PMP/A	.6595	.9518	1.1358	1.2266	1.2980	1.3869	1.5160	1.6687	1.8915	2.1543	2.5314	3.5222	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
810 3038 0 FIOOLETOWN LYNCH RCH 52 2140 19 0BN 12E P M 38.526 120.700 03

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.90	4.01	4.76	5.32	5.91	6.43	7.18	7.99	9.22	10.27	12.38	18.64	35.88
5	3.88	5.52	6.64	7.40	8.14	8.83	9.86	10.91	12.54	14.09	16.82	25.16	45.42
10	4.51	6.51	7.85	8.71	9.53	10.32	11.52	12.69	14.57	16.42	19.53	29.14	50.93
20	5.09	7.44	8.97	9.93	10.48	11.68	13.19	14.63	16.84	18.73	21.73	33.83	55.75
25	5.37	7.73	9.20	10.20	11.50	12.90	14.49	16.07	18.19	19.96	21.73	33.83	57.17
40	5.36	8.23	9.49	11.07	11.99	13.96	14.46	15.80	16.11	20.49	22.26	36.08	60.15
50	5.82	8.61	10.37	11.43	12.36	13.36	14.90	16.26	18.64	21.10	24.97	37.12	61.50
100	6.35	9.46	11.39	12.51	13.46	14.56	16.20	17.66	20.24	22.94	27.10	40.25	65.51
200	6.88	10.30	12.38	13.56	14.56	15.72	17.53	19.01	21.78	24.70	29.15	43.27	69.31
1000	8.02	12.18	14.61	15.92	16.97	18.30	20.41	21.99	25.18	28.61	33.69	49.93	77.55
10000	9.61	14.79	17.68	19.14	20.24	21.81	24.32	26.01	29.76	33.87	39.81	58.91	88.36
PMP	18.91	28.80	35.57	39.56	42.85	46.08	51.35	56.39	64.40	73.67	86.07	126.82	197.27

MEAN	3.092	4.327	5.125	5.687	6.269	6.817	7.614	8.416	9.698	10.826	13.022	19.586	36.770
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.822	.175	1.219	1.090	.869	.814	.590	.515	.430	.945	.650	.345	.050
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.600	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	3.714	3.961	4.147	4.050	3.593	3.446	2.895	2.874	2.652	3.853	2.902	2.772	1.853
N	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37
RECORD MAXIMUM	4.970	7.850	9.950	11.690	12.200	12.840	13.790	15.190	16.750	21.760	23.260	34.160	53.610
NORMALIZED MAX	1.987	2.06	2.43	2.583	2.84	2.93	2.62	2.85	2.45	2.80	2.186	2.006	1.72
CALC. COEF. VAR	.305	.343	.386	.409	.390	.378	.362	.357	.342	.356	.358	.335	.263
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0841	.1177	.1394	.1547	.1705	.1854	.2071	.2289	.2630	.2944	.3241	.5327	1.0000
RPI0/A	.1256	.1777	.2234	.2370	.2533	.2607	.3132	.3451	.3963	.4467	.5312	.7925	1.2850
RP25/A	.1253	.2103	.2634	.2701	.3044	.3201	.3477	.4022	.4614	.5215	.6181	.9202	1.2850
RP50/A	.1562	.2342	.2821	.3108	.3362	.3432	.4052	.4222	.4570	.5739	.6790	1.0098	1.6725
RP100/A	.1726	.2574	.3098	.3403	.3666	.3959	.4416	.4803	.5505	.6238	.7371	.10948	1.7815
RP1000/A	.2181	.3313	.3973	.4329	.4615	.4978	.5551	.5981	.6847	.7780	.9163	1.3579	2.1090
RP10000/A	.2615	.4022	.4868	.5205	.5504	.5932	.6614	.7074	.8093	.9122	1.0623	2.4030	3.4491
PMP/A	.5143	.7832	.9673	1.0758	1.1653	1.2532	1.3967	1.5336	1.7513	2.0035	2.3409	3.4491	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 810 4886 0 LEHMAN RANCH 84 600 32 09N 09E F M 38.592 121.012 09

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.50	3.29	3.80	4.21	4.76	5.07	5.86	6.44	7.59	8.50	10.18	14.46	27.15
5	3.34	4.53	5.30	5.85	6.56	6.96	8.05	8.79	10.33	11.67	13.83	19.52	34.37
10	3.88	5.35	6.27	6.90	7.68	8.14	9.40	10.23	12.00	13.60	16.06	22.61	38.54
20	4.38	6.11	7.16	7.86	8.70	9.21	10.64	11.52	13.51	15.26	18.40	25.41	41.9
25	4.61	6.35	7.41	8.15	9.22	9.84	11.24	12.11	13.97	15.80	18.69	25.26	43.29
50	4.61	6.84	7.58	8.76	9.56	10.22	11.80	12.73	14.91	16.97	19.95	27.99	45.52
100	5.01	7.07	8.28	9.04	9.96	10.53	12.16	13.11	15.35	17.47	20.54	28.00	46.54
200	5.46	7.77	9.10	9.90	10.86	11.46	12.44	13.24	16.66	18.93	20.45	23.98	33.57
1000	6.91	10.00	11.67	12.60	13.67	14.43	16.66	17.72	20.73	23.68	27.71	38.74	54.68
10000	8.28	12.14	14.12	15.15	16.31	17.20	19.88	20.96	24.50	28.84	32.74	45.81	66.87
PMP	16.28	23.64	28.41	31.31	36.53	36.34	41.93	45.45	53.02	66.99	70.80	98.39	149.29

MEAN	2.662	3.552	4.094	4.501	5.051	5.375	6.217	6.783	7.985	8.962	10.711	15.195	27.826
CLOCK NR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.660	2.340	1.622	1.591	1.309	1.200	1.007	1.049	.965	.930	1.275	1.033	.464
REGIONAL SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	6.625	9.318	5.837	5.854	5.150	4.963	4.593	4.881	3.397	3.814	4.846	3.818	2.240
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	5.000	8.500	8.750	10.450	11.550	12.150	13.350	14.950	16.050	18.200	23.260	28.540	44.870
NORMALIZED MAX	2.488	3.155	2.522	2.870	2.880	2.871	2.900	2.940	2.960	2.980	2.987	2.993	2.025
CALC. COEF. VAR	.353	.442	.426	.459	.466	.449	.399	.408	.401	.401	.405	.355	.022
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0957	1.177	.1471	.1618	.1815	.1932	.2234	.2428	.2870	.3221	.3849	.4846	3.818
SD/A	.0104	.192	.225	.270	.2781	.2725	.3380	.3676	.3870	.4312	.4667	.5773	.8125
SP25/A	.151	.281	.224	.529	.321	.3961	.4284	.5025	.5705	.6719	.9434	.1559	.1850
SP50/A	.1800	.2541	.2977	.3250	.3579	.3785	.4372	.4710	.5516	.6279	.7381	.1.0350	.1.6725
RP100/A	.1964	.2792	.3270	.3559	.3904	.4126	.4765	.5116	.5989	.6829	.8111	1.1223	1.7815
RP1000/A	.2482	.3594	.4194	.4527	.4914	.5167	.5989	.6370	.7449	.8512	.9966	.1.3921	2.1090
RP10000/A	.2975	.4363	.5075	.5443	.5861	.6182	.7136	.7534	.8895	1.0078	.1.1761	.1.6426	2.4030
PMP/A	.5851	.849	1.0211	1.1251	1.2408	1.3059	1.5056	1.6333	1.9054	2.1918	2.5442	3.5359	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 810 7000 0 PLYMOUTH 1096 11 07N 10E C M 38.483 120.845 03

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS											
	10	20	30	40	50	60	80	100	200	300	600	F YR
2	2.43	3.28	3.86	4.30	4.77	5.18	5.79	6.16	8.22	10.06	14.86	27.54
5	3.23	4.52	5.38	5.98	6.58	7.12	7.95	8.80	11.27	13.66	20.06	35.15
10	3.77	5.33	6.36	7.05	7.70	8.32	9.29	9.77	13.14	15.86	23.29	39.78
20	4.25	6.09	7.27	8.03	8.73	9.42	10.51	11.01	13.82	17.85	24.99	43.26
25	4.41	6.13	7.33	8.33	9.33	10.33	11.39	12.34	15.34	18.56	26.97	45.26
40	4.88	6.82	7.59	8.95	9.69	10.45	11.65	12.16	16.39	20.76	29.76	47.88
50	4.86	7.05	8.41	9.24	9.99	10.77	12.01	12.52	16.88	20.28	29.59	49.09
100	5.31	7.75	9.23	10.12	10.89	11.74	13.09	13.60	18.35	22.01	32.09	52.74
200	5.74	8.43	10.04	10.97	11.77	12.66	14.13	14.64	19.76	23.68	34.49	56.26
1000	6.70	9.97	11.64	12.87	13.71	14.76	16.45	16.93	22.89	27.37	39.80	64.02
10000	8.04	12.10	14.33	15.46	16.35	17.59	19.61	20.03	27.10	32.34	46.96	74.50
PMP	15.81	23.57	28.63	31.99	34.62	37.16	41.40	43.42	56.93	69.92	101.09	153.68

MEAN	2.585	3.542	4.155	4.599	5.066	5.497	6.138	6.480	8.660	10.577	15.612	26.645
CLOCK NR. COR.	1.140	1.670	1.050	1.040	1.030	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.576	1.169	1.335	1.362	.982	.729	.707	.776	.758	.665	.480	.134
REGIONAL SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800

KURTOSIS	6.012	4.072	4.911	5.371	4.171	3.186	3.130	3.341	2.745	2.792	2.489	2.212
N	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1945	1951	1951	1951	1951	1951	1951	1951	1958	1956	1936	1958
RECORD MAXIMUM	4.090	6.070	7.870	9.770	10.110	10.270	10.610	11.210	15.180	18.320	25.190	40.790
NORMALIZED MAX	1.972	2.284	2.431	2.800	2.959	2.969	2.970	2.971	3.166	3.200	1.022	1.733
CALC. COEF. VAR	.355	.313	.368	.391	.389	.307	.354	.349	.383	.366	.319	.253
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.387	.374	.365	.291

MEAN/A	.0905	.1239	.1450	.1606	.1768	.1919	.2143	.2262	.3023	.3693	.5450	1.0000
SD/A	.1315	.1861	.2221	.2460	.2589	.2906	.3242	.3411	.4587	.5538	.8109	1.3889
SP25/A	.1536	.2210	.2377	.2908	.3157	.3406	.3907	.3976	.5355	.6445	.9415	1.5600
SP50/A	.1696	.2461	.2935	.3226	.3497	.3760	.4193	.4371	.5893	.7000	1.0330	1.7138
RP100/A	.1852	.2704	.3223	.3532	.3833	.4099	.4457	.4748	.6406	.7685	1.201	1.6113
RP1000/A	.2341	.3481	.4135	.4494	.4787	.5153	.5744	.5911	.7989	.9554	.1.3894	2.2351
RP10000/A	.2868	.4225	.5003	.5403	.5769	.6141	.6845	.6991	.9460	1.1290	.1.6394	2.6009
PMP/A	.5519	.8228	1.0066	1.1617	1.2087	1.2974	1.4454	1.5157	2.0573	2.4408	.3520	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION= FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
810 8295 0 SLY PARK 3530 17 10N 13E L M 38.717 120.560 09

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	5.42	6.40	7.15	7.67	8.31	9.64	11.02	12.73	13.98	16.86	24.58	47.44
5	5.43	7.47	8.92	9.96	10.84	11.41	13.23	15.34	17.33	19.35	22.35	31.38	60.05
10	6.31	8.81	10.55	11.73	12.70	13.34	15.46	17.50	20.13	22.35	26.60	38.43	67.34
20	7.12	10.07	12.05	13.39	14.38	15.10	17.50	19.71	22.67	25.22	29.94	43.17	73.72
25	7.37	10.46	12.53	13.87	14.90	15.64	18.12	20.39	23.44	26.10	30.96	44.62	75.65
40	7.50	11.27	12.76	14.90	15.97	16.75	19.41	21.78	25.03	27.89	33.05	47.58	79.53
50	8.14	11.65	13.94	15.39	16.46	17.26	20.00	22.42	25.76	26.72	34.01	48.95	81.31
100	8.88	12.80	15.31	16.85	17.95	18.82	21.80	24.35	27.97	31.22	36.82	52.05	86.82
200	9.60	13.71	16.19	17.69	19.00	20.39	23.42	26.49	30.49	33.71	37.71	57.66	91.44
1000	11.36	16.47	19.64	21.43	22.60	23.56	27.00	30.36	34.78	38.93	55.90	65.04	102.54
10000	13.45	20.00	23.76	25.77	26.95	28.19	32.65	35.86	41.12	46.10	54.24	77.69	116.83
PMP	26.46	38.94	47.81	51.26	57.05	59.56	68.95	77.74	88.97	100.25	117.25	167.24	260.84

MEAN	4.327	5.652	6.690	7.658	8.348	8.810	10.222	11.604	13.400	14.732	17.739	25.829	46.619
CLOCK HR. COR.	1.000	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.329	1.144	1.359	1.083	1.089	1.121	.946	.762	.688	1.242	1.038	.840	.175
REGIONAL SKW	1.160	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	4.560	3.685	4.385	3.778	4.244	4.449	4.136	3.957	3.586	4.832	4.688	3.747	1.896
RECORD YEAR	1963	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	7.420	10.640	14.030	14.530	16.500	17.110	19.830	22.210	25.500	31.920	34.970	45.270	67.840
NORMALIZED MAX	1.849	1.930	2.256	2.131	2.331	2.313	2.456	2.364	2.367	2.775	2.558	2.238	1.602
CALC. COEF. VAR	.387	.424	.459	.421	.419	.407	.383	.387	.381	.420	.380	.336	.247
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0890	.1204	.1417	.1575	.1717	.1812	.2102	.2387	.2756	.3030	.3648	.5313	1.0000
RP10/A	.1297	.1812	.2170	.2413	.2911	.2744	.3181	.3599	.4141	.4597	.5472	.7904	1.3850
RP25/A	.1517	.2151	.2576	.2852	.3065	.3217	.3728	.4194	.4821	.5367	.6368	.9177	1.5559
RP50/A	.1674	.2395	.2868	.3165	.3385	.3550	.4114	.4611	.5298	.5967	.6996	1.0069	1.6725
RP100/A	.1827	.2633	.3149	.3465	.3692	.3870	.4484	.5009	.5752	.6420	.7593	1.0918	1.7815
RP1000/A	.2308	.3388	.4040	.4408	.4648	.4865	.5363	.5926	.7154	.8007	.9440	1.5453	2.1090
RP10000/A	.2767	.4113	.4886	.5300	.5543	.5798	.6716	.7376	.8457	.9481	1.1150	1.5980	2.4030
PMP/A	.5442	.8010	.9835	1.0955	1.1735	1.2250	1.4181	1.5990	1.8300	2.0620	2.4116	3.4399	5.3630

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
820 1428 0 CAMP PARDEE 17 658 35 05N 10E C H 38.250 120.644 05

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.05	2.34	2.67	2.93	3.21	3.648	3.89	4.40	5.26	5.76	7.00	10.57	20.44
5	2.47	3.22	3.72	4.07	4.43	4.77	5.33	6.00	7.45	7.90	9.51	14.27	25.83
10	2.60	3.45	4.00	4.30	5.18	5.89	6.50	7.22	8.92	9.50	11.84	17.52	29.96
20	3.24	4.34	5.03	5.47	5.87	6.32	7.05	7.87	9.37	10.39	12.43	18.56	31.71
25	3.46	4.51	5.23	5.67	6.08	6.54	7.30	8.14	9.69	10.75	12.85	19.19	32.53
40	3.81	4.86	5.32	5.83	6.19	6.52	7.01	7.82	8.69	10.34	11.49	20.46	34.20
50	3.70	5.03	5.82	6.29	6.72	7.22	8.06	8.95	10.64	11.84	14.12	21.05	34.97
100	4.04	5.52	6.39	6.89	7.33	7.87	8.78	9.72	11.55	12.86	15.33	23.83	37.25
200	4.37	6.11	6.94	7.47	7.92	8.50	9.46	10.46	12.14	13.85	16.89	24.29	39.41
1000	5.11	7.11	8.09	9.03	9.93	11.04	12.04	13.37	16.64	18.05	20.31	34.10	64.10
10000	6.12	8.63	9.91	10.54	11.00	11.79	13.16	14.31	16.99	19.00	22.52	33.41	50.25
PMP	12.06	16.81	19.95	21.79	23.30	26.91	27.78	31.02	36.76	41.32	48.68	71.91	112.18

MEAN	1.969	2.525	2.874	3.133	3.408	3.668	4.119	4.630	5.537	6.071	7.364	11.107	20.910
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.607	.715	.466	.425	.534	.523	.573	.623	.659	.681	.663	.747	.5276
REGIONAL SKW	1.100	1.200	1.100	1.000	.900	.900	.900	.900	.900	.900	.900	.900	.500
SKW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.900	.900	.900	.900	.900	.500

KURTOSIS	3.073	2.983	2.627	2.411	2.631	2.443	2.443	2.443	2.443	2.443	2.443	2.443	1.986
RECORD YEAR	1956	1960	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1967
RECORD MAXIMUM	3.240	4.110	4.650	5.240	6.000	6.250	7.070	8.560	12.110	12.110	13.860	21.860	31.680
NORMALIZED MAX	2.145	2.169	2.216	2.095	2.431	2.317	2.325	2.677	3.424	3.026	2.712	3.052	1.972
CALC. COEF. VAR	.306	.289	.310	.323	.313	.300	.308	.317	.347	.329	.325	.316	.261
REGN. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0942	.1208	.1375	.1498	.1630	.1762	.1970	.2214	.2648	.2904	.3522	.5312	1.0000
RP10/A	.1372	.1818	.2105	.2295	.2479	.2668	.2960	.3339	.3978	.4405	.5282	.7903	1.3850
RP25/A	.1605	.2158	.2495	.2713	.2910	.3128	.3493	.3892	.4632	.5143	.6147	.9176	1.5559
RP50/A	.1772	.2403	.2782	.3010	.3214	.3453	.3855	.4278	.5090	.5660	.6793	1.0067	1.6725
RP100/A	.1933	.2642	.3055	.3292	.3605	.3764	.4201	.4667	.5526	.6152	.7330	1.0917	1.7815
RP1000/A	.2443	.3400	.3919	.4193	.4413	.4732	.5281	.5788	.6874	.7673	.9112	1.3541	2.1049
RP10000/A	.2928	.4127	.4741	.5041	.5263	.5639	.6292	.6844	.8125	.9465	1.0768	1.5977	2.4030
PMP/A	.5759	.637	.9540	1.0420	1.1142	1.1914	1.3287	1.4935	1.7582	1.9759	2.3282	3.4393	5.3050

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 820 2728 0 ELECTRA PH 49 715 06N 12E M 38.838 120.667 03

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.61	3.38	4.00	4.38	4.80	5.21	5.78	6.43	7.73	8.54	10.47	15.46	29.56
5	3.49	4.66	5.58	6.09	6.62	7.15	7.93	8.77	10.52	11.72	14.23	20.86	37.41
10	4.05	5.49	6.59	7.17	7.75	8.34	9.27	10.20	12.23	13.66	16.53	24.16	41.95
20	4.74	6.40	7.71	8.17	8.75	9.40	10.24	11.51	13.45	15.11	18.24	27.41	49.92
25	4.74	6.52	7.83	8.48	9.09	9.80	10.58	11.19	12.94	14.95	17.23	20.05	47.12
40	4.82	7.03	7.97	9.11	9.74	10.49	11.63	12.70	15.20	17.04	20.53	29.22	49.56
50	5.23	7.22	8.71	9.41	10.04	10.82	11.99	13.08	15.64	17.55	21.13	30.73	50.65
100	5.70	7.98	9.57	10.30	10.95	11.79	13.07	14.20	16.98	19.08	22.93	33.37	53.96
200	6.17	8.68	10.40	11.17	11.83	12.73	14.11	15.29	18.27	20.55	24.67	35.87	57.09
1000	7.21	10.27	12.27	13.11	13.79	14.82	16.42	17.68	21.12	23.79	28.51	41.39	63.87
10000	8.64	12.47	14.85	15.76	16.44	17.67	19.57	20.91	24.97	28.17	33.69	48.84	72.78
PMP	16.99	24.28	29.88	32.57	34.81	37.39	41.39	45.34	54.03	61.27	72.83	105.14	162.49

MEAN 2.779 3.649 4.305 4.682 5.094 5.521 6.127 6.768 8.137 9.004 11.018 16.238 30.287  
CLOCK HR. COR. 1.140 1.070 1.040 1.020 1.010 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.562 1.531 .858 .615 .611 .502 .644 .585 .583 .909 .880 .918 .203  
REGIONAL SKEW 1.100 1.200 1.100 1.000 .900 .900 .900 .800 .800 .800 .800 .800 .500  
SKEW USED 1.100 1.200 1.100 1.000 .900 .900 .800 .800 .800 .800 .800 .800 .500

KURTOSIS 6.362 6.218 4.069 3.467 3.610 3.017 3.274 3.110 3.161 4.352 4.476 4.443 2.318  
RECORD YEAR N 70 70 70 70 70 70 70 70 70 70 70 70 70  
RECORD MAXIMUM 1943 1943 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956  
NORMALIZED MAX 5.220 7.00 8.80 8.850 10.20 10.470 11.720 12.171 15.450 20.100 25.500 36.500 50.970  
CALC. COEF. VAR .310 .375 .367 .352 .342 .330 .356 .351 .352 .365 .365 .365 .274  
REGN. COEF. VAR .341 .377 .367 .357 .349 .339 .384 .383 .380 .387 .374 .365 .291  
USED COEF. VAR .341 .377 .396 .397 .389 .384 .383 .380 .376 .387 .374 .365 .291

MEAN/A	.0916	.1805	.1421	.1546	.1682	.1823	.2003	.2234	.2607	.2973	.3238	.5361	1.0000
RP10/A	.1337	.1814	.2176	.2369	.2558	.2740	.3044	.3249	.3637	.4510	.5456	.7977	.8890
RP25/A	.1564	.2153	.2584	.2800	.3024	.3236	.3587	.3927	.4700	.5266	.6350	.9262	1.5559
RP50/A	.1726	.2398	.2876	.3106	.3302	.3571	.3958	.4317	.5165	.5795	.6976	1.0162	1.6725
RP100/A	.1983	.2635	.3159	.3401	.3616	.3893	.4314	.4689	.5607	.6299	.7572	1.1019	1.7815
RP1000/A	.2380	.3392	.4052	.4327	.4552	.4994	.5423	.5838	.6795	.7855	.9413	1.3667	2.1090
RP10000/A	.2853	.4117	.4903	.5202	.5430	.5833	.6467	.6906	.8244	.9302	1.1123	1.6127	2.4030
PMP/A	.5611	.8018	.9865	1.0752	1.1495	1.2322	1.3644	1.4971	1.7840	2.0230	2.4047	3.4716	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 820 5763 0 MOKELUMNE HILL 1480 07 05N 12E M M 38.302 120.700 05

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.48	3.36	3.87	4.21	4.58	4.99	5.55	6.18	7.49	8.36	10.01	14.26	28.17
5	3.32	4.63	5.40	5.85	6.31	6.85	7.62	8.43	10.20	11.46	13.60	19.24	35.65
10	3.85	5.44	6.38	7.38	8.69	9.64	10.90	12.04	14.85	13.36	15.71	22.24	39.98
20	4.24	6.46	7.42	7.65	8.04	9.06	10.74	11.95	13.34	15.47	17.77	24.47	47.77
25	4.51	6.48	7.58	8.15	8.67	9.39	10.44	11.43	13.79	15.60	18.38	25.88	44.91
40	4.58	6.98	7.71	8.76	9.29	10.45	11.17	12.21	14.73	16.67	19.62	27.60	47.22
50	4.97	7.21	8.43	9.04	9.57	10.33	11.51	12.57	15.16	17.16	20.19	28.39	48.27
100	5.43	7.93	9.26	9.90	10.44	11.29	12.55	13.65	16.46	18.66	21.92	30.79	51.42
200	5.87	8.63	10.07	10.73	11.28	12.19	13.55	14.69	17.71	20.09	23.51	33.09	54.41
1000	6.84	10.21	11.89	12.59	13.14	14.20	15.17	16.99	20.47	23.27	27.25	38.19	60.87
8000	8.22	12.39	14.31	15.41	15.82	16.92	18.97	20.61	24.75	27.45	34.05	46.66	66.36
PMP	16.17	24.13	26.92	31.29	33.18	35.75	39.68	43.68	52.35	59.92	69.01	97.00	154.85

MEAN	2.644	3.625	4.167	4.499	4.855	5.288	5.883	6.504	7.885	8.805	10.531	14.980	28.863
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.557	.925	1.017	.751	.554	.568	.740	.521	.539	1.257	.944	1.323	.212
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS 2.378 4.073 4.073 3.649 3.211 3.174 3.255 2.898 2.826 5.661 4.404 6.000 2.345  
RECORD YEAR N 44 44 44 44 44 44 44 44 44 44 44 44 44  
RECORD MAXIMUM 1963 1911 1956 1956 1956 1911 1911 1911 1911 1911 1911 1911 1911  
NORMALIZED MAX 3.455 6.07 8.70 8.519 9.469 9.283 11.240 12.840 21.560 23.400 34.700 44.580  
CALC. COEF. VAR .274 .334 .371 .370 .356 2.246 2.565 2.314 2.376 3.524 3.231 3.596  
REGN. COEF. VAR .341 .377 .396 .397 .389 .384 .383 .380 .376 .397 .374 .365 .291  
USED COEF. VAR .341 .377 .396 .397 .389 .384 .383 .380 .376 .387 .374 .365 .291

MEAN/A	.0916	.1256	.1444	.1559	.1682	.1832	.2038	.2253	.2732	.3051	.3649	.5190	1.0000
RP10/A	.1335	.1891	.2210	.2388	.2558	.2774	.3083	.3398	.4104	.4628	.5472	.7722	1.3895
RP25/A	.1561	.2245	.2625	.2923	.3003	.3252	.3614	.3960	.4779	.5464	.6368	.8966	1.5559
RP50/A	.1723	.2500	.2921	.3132	.3317	.3590	.3988	.4354	.5251	.5946	.6993	.9837	1.5725
RP100/A	.1880	.2747	.3208	.3429	.3617	.3913	.4347	.4729	.5701	.6465	.7593	1.0667	1.7815
RP1000/A	.2375	.3536	.4115	.4363	.4553	.4919	.5664	.5884	.7091	.8061	.9440	1.3230	2.1090
RP10000/A	.2847	.4293	.4979	.5245	.5431	.5863	.6510	.6964	.8382	.9545	.1.1155	1.5611	2.4030
PMP/A	.5601	.8359	1.0019	1.0641	1.1497	1.2385	1.3748	1.5097	1.8139	2.0411	3.3665	5.3650	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB 257 3700 J3 08N 16E N M 38.497 120.216 CODE 03

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	2D	30	40	50	60	80	100	150	200	300	600	365D
2	3.46	4.91	5.89	6.49	7.26	7.96	8.76	9.60	11.39	12.53	14.83	21.86	43.51
5	4.62	6.76	8.21	9.03	10.04	10.85	12.07	13.11	15.37	17.22	20.16	29.50	55.08
10	5.37	7.97	9.71	10.64	11.75	12.69	14.04	15.24	17.80	20.07	21.40	34.17	61.76
20	6.06	9.11	11.10	12.12	13.31	14.36	15.87	17.64	20.79	23.44	27.24	39.67	67.61
25	6.28	9.46	11.53	12.58	13.79	14.87	16.46	17.77	20.79	23.44	27.24	39.67	69.38
40	6.39	10.20	11.74	13.52	14.78	15.93	17.63	19.87	22.20	25.05	29.07	42.31	72.94
50	6.93	10.54	12.48	13.95	15.23	16.42	18.47	19.53	22.85	25.79	29.92	43.53	74.57
100	7.45	11.94	14.09	15.28	16.51	17.80	19.80	21.20	24.29	27.48	31.48	52.25	77.44
200	8.18	12.61	15.32	16.66	17.95	19.37	21.39	22.93	26.49	30.19	34.94	50.43	84.05
1000	9.55	14.91	18.08	19.44	20.91	22.50	24.89	26.41	30.85	34.97	40.37	58.54	94.04
10000	11.46	18.10	21.87	23.37	25.94	26.81	29.65	31.24	35.47	41.40	47.71	71.69	107.15
PMP	22.53	35.25	44.00	48.30	52.80	56.64	62.62	67.73	76.92	90.04	103.15	148.70	239.22

MEAN  
CLOCK HR. COR.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

1,140	1,170	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1,233	1,363	1,563	1,180	1,980	1,200	2,127	1,095	.627	.909	.762	.800	.800
1,100	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1,100	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

KURTOSIS  
N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGN. COEF. VAR  
USED COEF. VAR

4,581	5,196	5,861	4,487	4,210	5,262	4,926	4,535	3,326	3,932	3,549	2,932	2,991
45	45	45	45	45	45	45	45	45	45	45	45	45
1956	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1951
6,180	10,560	14,900	15,250	15,830	18,840	20,950	21,817	23,020	26,040	29,810	47,400	80,910
2,296	2,700	3,149	2,954	2,823	3,383	3,346	3,133	2,676	2,654	2,646	2,498	2,856
.295	.368	.429	.405	.372	.369	.376	.369	.350	.365	.344	.339	.285
.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
PMP/A

.0726	.1188	.1422	.1558	.1732	.1879	.2027	.2267	.2666	.2967	.3500	.5100	.1,0000
.1264	.1788	.2177	.2386	.2635	.2845	.3150	.3419	.4005	.5402	.5249	.7663	.1,3850
.1409	.2123	.2585	.2821	.3093	.3363	.3698	.4,663	.6,526	.6,018	.8,899	.1,9763	.15,559
.1510	.2238	.2816	.3129	.3416	.3689	.4,074	.4,381	.5,124	.6,710	.7,710	.9,763	.1,6725
.2143	.2598	.3,160	.3,626	.3,756	.4,013	.4,500	.5,581	.5,924	.6,920	.7,662	.9,055	.1,3130
.2569	.4,054	.4,595	.4,595	.5,241	.5,593	.6,013	.6,650	.7,007	.7,892	.8,285	.1,0700	.1,5493
.5054	.7905	.9,869	1,0832	1,1841	1,2703	1,4043	1,5191	1,7700	2,0193	2,3132	3,3350	5,3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB 1986 IR 06N 11E A M 38.376 120.801 CODE 03

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.53	3.40	4.01	4.32	4.74	5.02	5.58	6.14	7.18	8.25	10.09	14.03	26.84
5	3.78	5.59	6.01	6.53	7.66	8.37	9.77	11.32	13.71	18.94	23.97	33.97	53.97
10	3.92	5.52	6.60	7.08	7.65	8.05	8.95	9.74	11.35	13.20	15.92	21.93	38.09
20	4.43	6.31	7.55	8.65	9.62	10.12	10.97	12.78	14.89	17.91	24.64	41.70	
25	4.59	6.56	7.84	8.98	9.45	10.49	11.35	13.22	15.41	18.52	25.47	42.79	
40	4.67	7.07	7.98	8.99	9.62	10.12	11.24	12.12	14.11	16.41	19.77	24.49	44.49
50	5.07	7.30	8.73	9.92	10.56	11.58	12.46	13.22	15.62	16.96	20.35	27.94	45.39
100	6.02	8.66	10.16	11.51	11.37	12.67	13.56	15.07	17.43	19.22	22.09	29.00	48.99
200	5.98	8.74	10.42	11.68	12.37	13.63	14.59	16.96	19.85	23.76	32.57	51.84	
1000	6.98	10.33	12.29	12.93	13.61	14.29	15.86	16.88	19.61	22.99	27.46	37.58	58.00
10000	8.37	12.54	14.88	15.54	16.24	17.03	18.90	19.96	23.18	27.22	32.44	44.34	66.08
PMP	16.47	24.42	29.93	32.12	34.37	35.97	39.91	43.28	50.16	59.19	70.14	95.46	147.54

MEAN  
CLOCK HR. COR.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

2,693	3,670	4,313	4,618	5,029	5,322	5,918	6,460	7,554	8,698	10,612	14,743	27,500
1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1,228	1,222	1,181	1,171	1,021	1,010	.981	.950	.969	.931	.844	.823	.430
1,100	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1,100	1,200	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	20	20	20	20	20	20	20	20	20	20	20	20	20
2	2.53	3.40	4.01	4.32	4.74	5.02	5.58	6.14	7.18	8.25	10.09	14.03	26.84
5	3.78	5.59	6.01	6.53	7.66	8.37	9.77	11.32	13.71	18.94	23.97	33.97	53.97
10	3.92	5.52	6.60	7.08	7.65	8.05	8.95	9.74	11.35	13.20	15.92	21.93	38.09
20	4.43	6.31	7.55	8.65	9.62	10.12	10.97	12.78	14.89	17.91	24.64	41.70	
25	4.59	6.56	7.84	8.98	9.45	10.49	11.35	13.22	15.41	18.52	25.47	42.79	
40	4.67	7.07	7.98	8.99	9.62	10.12	11.24	12.12	14.11	16.41	19.77	24.49	44.49
50	5.07	7.30	8.73	9.92	10.56	11.58	12.46	13.22	15.62	16.96	20.35	27.94	45.39
100	6.02	8.66	10.16	11.51	11.37	12.67	13.56	15.07	17.43	19.22	22.99	27.46	37.58
200	5.98	8.74	10.42	11.68	12.37	13.63	14.59	16.96	19.85	23.76	32.57	51.84	
1000	6.98	10.33	12.29	12.93	13.61	14.29	15.86	16.88	19.61	22.99	27.46	37.58	
10000	8.37	12.54	14.88	15.54	16.24	17.03	18.90	19.96	23.18	27.22	32.44	44.34	66.08
PMP	16.47	24.42	29.93	32.12	34.37	35.97	39.91	43.28	50.16	59.19	70.14	95.46	147.54

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
PMP/A

.0979	.1335	.1568	.1679	.1829	.1935	.2152	.2349	.2747	.3163	.3859	.5361	1,0000
.1427	.209	.2401	.2573	.2781	.2930	.3255	.3542	.4127	.4799	.5787	.7976	1,1850
.1669	.2395	.2851	.3041	.3264	.3435	.3815	.428	.4605	.5735	.6735	.8735	.9159
.1842	.2656	.3174	.3408	.3792	.4111	.4589	.5203	.6165	.7709	.872	.9725	.1,6725
.2010	.29	.36	.394	.43	.4950	.5,651	.6,192	.6,873	.7,923	.8,021	.9,098	.1,0109
.2057	.3577	.4471	.4701	.5,050	.5,651	.6,192	.6,873	.7,259	.8,429	.9,097	.1,1798	.1,2109
.3044	.4561	.5,049	.5,904	.6,192	.6,873	.7,259	.8,429	.9,097	.1,1798	.1,2109	.1,6125	2,4030
.5988	.8882	.1,088	.1,1679	.1,2499	.1,3082	.1,4514	.1,5738	.1,8239	.2,1524	.2,5500	.3,4712	.5,3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 820 928 0 TIGER CREEK PH 423 2355 24 07N 13E G M 38.449 120.491 05

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.61	5.00	6.01	6.67	7.42	8.04	8.89	9.88	11.63	13.14	15.78	22.82	43.82
5	4.82	6.89	8.39	9.29	10.23	11.05	12.21	13.48	15.83	18.03	21.44	30.79	55.47
10	5.60	8.13	9.91	10.94	11.97	12.91	14.28	15.64	18.39	21.01	24.89	35.66	67.19
20	6.32	9.29	11.35	12.46	13.58	14.61	16.14	17.67	20.70	23.73	28.02	40.05	69.09
25	6.55	9.45	11.52	12.64	13.76	14.85	16.41	17.98	21.08	24.53	29.22	41.14	69.87
40	6.66	10.40	11.99	13.90	15.06	16.21	17.90	19.52	22.66	26.22	30.92	44.27	73.46
50	7.23	10.75	13.10	14.34	15.62	16.71	18.45	20.10	23.52	27.00	31.83	45.43	75.10
100	7.89	11.81	14.39	15.71	16.93	18.21	20.11	21.83	25.54	29.34	34.54	49.27	80.00
200	8.53	12.86	15.64	17.03	18.29	19.67	21.71	23.49	27.48	31.60	37.16	52.95	84.64
1000	9.96	15.21	18.44	19.98	21.31	22.90	25.28	27.18	31.77	36.60	42.95	61.11	94.70
10000	11.94	18.46	22.33	24.02	25.41	27.29	30.12	32.14	37.55	43.33	50.74	72.00	107.91
PMP	23.44	35.95	44.93	49.85	55.80	57.65	63.60	69.68	81.26	94.24	107.71	155.21	246.91

MEAN	3.842	5.401	6.474	7.139	7.872	8.524	9.429	10.401	12.238	13.849	16.598	23.971	44.904
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.477	1.358	1.387	1.124	1.002	.926	.832	.837	.747	.983	.761	.670	.127
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	6.100	4.597	4.830	4.212	4.267	4.343	4.071	3.970	3.454	4.261	3.504	3.434	2.323
N	68	68	68	68	68	68	68	68	68	68	68	68	68
RECORD MAX/MU	1.951	1.956	1.951	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.951	1.951
NORMALIZED MAX	8.030	11.286	14.260	15.140	16.000	18.000	20.130	22.080	24.620	30.210	33.420	48.800	66.930
CALC. COEF. VAR	3.055	2.767	2.829	2.845	3.019	3.033	3.166	3.210	3.350	2.814	2.893	1.897	
REGN. COEF. VAR	.341	.377	.396	.397	.375	.370	.373	.369	.392	.374	.373	.358	.259
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0856	.1203	.1442	.1590	.1753	.1899	.2100	.2316	.2725	.3084	.3696	.5327	1.0000
PP10/A	.1247	.1811	.2500	.2436	.2664	.2974	.3177	.3492	.4095	.4679	.5544	.7942	.13850
PP25/A	.1450	.2522	.2879	.3129	.3371	.3723	.4070	.4768	.5463	.6452	.7922	.15559	
PP50/A	.1910	.2394	.2918	.3194	.3456	.3721	.4109	.4475	.5239	.6012	.7087	.81118	.16725
RP100/A	.1756	.2531	.3204	.3498	.3770	.4056	.4479	.4861	.5688	.6535	.7693	.1.071	.1.7815
RP1000/A	.2219	.3388	.4110	.4450	.4745	.5099	.5629	.6052	.7075	.7915	.9564	.1.3608	.2.1090
RP10000/A	.2660	.4111	.4973	.5350	.5660	.6077	.6767	.7158	.8363	.9650	.1.0507	.1.6057	.2.4030
PMP/A	.5232	.8005	1.0000	1.058	1.1982	1.2839	1.4163	1.5519	1.8096	2.0987	2.4433	3.4555	5.3650

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 820 9583 0 WEST POINT 2365 17 06N 13E C M 38.379 120.570 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.14	4.29	5.09	5.49	6.09	6.72	7.33	8.12	9.64	10.74	12.76	19.19	36.65
5	4.19	5.91	7.09	7.64	8.40	9.24	10.06	11.09	13.11	14.74	17.34	25.90	46.39
10	4.87	6.98	8.38	9.00	9.83	10.80	11.76	12.90	15.24	17.17	20.13	30.00	52.02
20	5.70	7.97	9.58	10.25	11.14	12.22	13.30	14.59	17.15	19.38	22.65	36.00	56.95
25	5.71	8.08	9.75	10.33	11.24	12.33	13.43	14.63	17.03	18.74	20.45	34.08	58.44
40	5.79	8.92	10.14	11.43	12.37	13.55	14.75	16.05	18.94	21.43	25.01	37.15	64.44
50	6.29	9.22	11.08	11.80	12.75	13.99	15.21	16.53	19.49	22.07	25.74	38.22	62.81
100	6.86	10.14	12.17	12.92	13.90	15.23	17.95	21.16	23.98	27.94	41.44	66.91	
200	7.42	11.03	13.23	14.01	15.02	16.44	17.89	19.32	22.77	25.83	30.05	44.54	78.80
1000	8.67	13.04	15.61	16.44	17.50	19.15	20.83	22.35	26.33	29.91	34.73	51.40	79.21
10000	10.39	15.84	18.88	19.76	20.87	22.82	24.82	26.43	31.12	35.42	41.04	68.65	90.25
PMP	20.44	30.84	38.00	40.84	44.19	48.20	52.42	57.30	67.34	77.03	88.72	130.56	201.50

MEAN	3.343	4.634	5.475	5.872	6.465	7.130	7.771	8.553	10.141	11.319	13.422	20.184	37.558
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.204	1.101	.961	.728	.573	.606	.749	.722	.775	.530	.627	.134	
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	3.796	3.738	3.346	2.935	2.836	3.197	3.298	3.415	3.457	3.430	2.813	2.516	1.861
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD MAX/MU	1.951	1.956	1.951	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.938
NORMALIZED MAX	5.430	8.730	10.760	11.040	11.820	13.860	14.860	16.110	19.680	22.560	24.030	35.350	55.110
CALC. COEF. VAR	1.068	2.272	2.427	2.517	2.622	2.704	2.810	2.920	2.801	2.801	2.801	2.098	1.715
REGN. COEF. VAR	.331	.389	.411	.405	.372	.375	.360	.348	.362	.376	.365	.359	.273
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0890	.1234	.1458	.1563	.1721	.1898	.2069	.2277	.2700	.3014	.3574	.5369	1.0000
PP1/A	.159	.1857	.2232	.2395	.2418	.2577	.3120	.3434	.497	.4573	.5359	.7898	.1.3850
PP2/A	.1517	.2205	.2631	.2931	.3170	.3422	.4024	.4524	.524	.543	.6275	.7159	.2.359
PP5/A	.1675	.2455	.2950	.3141	.3394	.3720	.4049	.4400	.5190	.5875	.6852	.1.0176	.1.6725
RP100/A	.1827	.2699	.3240	.3440	.3702	.4054	.4413	.4779	.5635	.6386	.7438	.1.1034	.1.7815
RP1000/A	.2309	.3473	.4156	.4376	.4660	.5097	.5564	.5905	.7009	.7964	.9247	.1.3686	.2.1090
RP10000/A	.2767	.4216	.5028	.5261	.5558	.6075	.6609	.6938	.8285	.9430	.1.0927	.1.6149	.2.0430
PMP/A	.5443	.8210	1.0117	1.0874	1.1766	1.2834	1.3956	1.5258	1.7929	2.0509	2.3622	3.4763	.5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85 ORDER SUB  
830 1280 0 CALAVERAS RANGER STATION 3343 18 04N 15E L M 38°19' 120°36' 05

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.05	5.44	6.63	7.28	8.00	8.69	9.61	10.74	12.42	14.38	17.13	24.04	44.35
5	5.42	7.50	9.24	10.13	11.03	11.93	13.19	14.66	16.90	19.72	23.28	32.44	56.13
10	6.29	8.85	10.93	11.93	12.91	13.95	15.41	17.05	19.63	22.99	27.03	37.57	67.94
20	7.11	10.11	12.49	13.59	14.63	17.79	19.22	22.10	25.93	30.42	42.21	68.91	
25	7.36	10.50	12.98	14.10	15.15	16.35	18.06	19.88	22.86	26.48	31.46	44.24	70.70
40	7.49	11.14	13.21	15.24	16.27	17.51	19.34	21.20	24.60	29.88	33.82	49.52	73.34
50	8.12	12.69	14.64	16.64	17.66	19.93	21.85	24.67	29.53	34.56	47.86	74.00	
100	8.86	12.85	15.86	17.13	18.25	19.67	21.72	23.74	27.27	32.10	37.51	51.90	80.96
200	9.58	13.98	17.24	18.57	19.72	21.24	23.46	25.55	29.34	34.57	40.35	55.79	85.66
1000	11.20	16.54	20.35	21.79	22.98	24.74	27.31	29.55	33.92	40.04	46.63	64.38	95.84
10000	13.42	20.08	24.62	26.20	27.41	29.48	32.54	34.96	40.09	47.41	55.10	75.96	113.52
PMF/A	26.40	39.10	49.54	54.14	58.02	62.28	68.71	75.79	86.76	103.10	119.13	163.52	241.80

MEAN	4.318	5.876	7.138	7.785	8.488	9.213	10.187	11.311	13.066	15.151	18.023	25.254	45.443
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.648	1.969	1.760	1.518	1.368	1.573	1.234	1.055	.899	.744	.579	.583	.226
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	5.595	6.712	6.045	4.836	4.443	5.922	4.420	4.131	3.481	2.932	2.535	2.930	1.889
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1951	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	8.380	13.890	18.930	19.720	20.310	24.030	25.410	24.060	27.520	29.780	34.150	46.120	71.330
NORMALIZED MAX	2.070	2.544	2.775	2.641	2.624	3.011	2.754	2.621	2.305	2.144	2.035	2.114	1.807
CALC. COEF. VAR	.455	.536	.595	.580	.531	.534	.543	.497	.480	.450	.434	.391	.315
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.389	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.389	.380	.376	.367	.374	.365	.291

MEAN/A	.0950	.1293	.1517	.1713	.1868	.2027	.2242	.2489	.2875	.3334	.3966	.5557	
RP10/A	.1385	.1964	.2405	.2625	.2841	.3070	.3391	.3633	.4320	.5058	.6240	.8400	.1400
RP25/A	.1619	.2311	.2800	.3102	.3359	.3549	.3947	.4247	.5074	.6066	.7624	.9600	.15559
RP50/A	.1788	.2488	.3179	.3483	.3683	.3986	.4286	.4809	.5527	.6499	.7604	.10533	.6725
RP100/A	.1950	.2428	.3491	.3759	.4017	.4239	.4781	.5224	.6001	.7064	.8254	.11421	.17815
RP1000/A	.2464	.3640	.4478	.4795	.5056	.5443	.6009	.6504	.7464	.8810	.1.0261	.14166	.2.1090
RP10000/A	.2954	.4419	.5418	.5764	.6031	.6487	.7169	.7692	.8823	.1.0432	.1.2125	.1.6716	.2.4030
PMF/A	.5810	.8605	1.0901	1.1914	1.2767	1.3704	1.5119	1.6677	1.9092	2.0688	2.6215	3.5983	5.3650

STATION NO.  
85 ORDER SUB  
830 6893 1 PINCEREST STRAWBERRY 188 5620 22 04N 18E F M 38°19' 119°49' 55

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.68	5.03	5.94	6.39	7.10	7.66	8.51	9.49	10.62	12.15	14.47	21.50	41.15
5	4.92	6.93	8.28	8.69	9.79	10.51	11.68	12.96	14.72	16.67	19.67	29.01	52.09
10	5.71	8.17	9.79	10.48	11.46	13.20	13.65	14.07	17.10	19.43	22.84	33.60	58.41
20	6.45	9.33	11.19	11.93	12.98	13.91	15.45	16.98	19.25	21.92	25.70	39.01	61.95
40	6.68	10.71	11.62	12.38	13.45	14.41	16.04	17.56	19.34	21.87	26.53	41.61	68.99
50	7.38	11.08	12.94	13.74	14.85	15.93	17.66	19.31	21.88	24.96	29.19	42.80	70.53
100	8.05	11.87	14.21	15.04	16.20	17.34	19.25	20.97	23.75	27.14	31.69	46.41	75.13
200	8.70	12.92	15.64	16.31	17.50	18.72	20.78	22.57	25.55	29.22	34.09	49.89	79.49
1000	10.17	15.28	18.22	19.14	20.39	21.80	24.19	26.11	29.54	33.84	39.39	57.57	86.94
10000	12.19	18.55	22.05	23.01	24.32	25.94	28.83	30.89	34.92	40.07	46.55	67.93	101.34
PMF/A	23.98	36.12	44.36	47.55	51.49	54.87	60.87	66.96	75.56	87.15	100.64	146.23	228.25

MEAN	3.921	5.427	6.392	6.837	7.534	8.117	9.024	9.994	11.380	12.807	15.225	22.584	42.171
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.205	1.419	1.645	1.314	1.330	1.036	1.333	1.270	.906	1.111	.949	.674	.605
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	5.123	5.94	5.978	4.800	5.408	4.741	5.415	5.083	3.962	4.439	3.855	3.349	2.732
N	38	38	38	38	38	38	38	38	38	38	38	38	37
RECORD YEAR	1956	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1938
RECORD MAXIMUM	7.510	11.380	15.180	15.550	18.270	19.420	22.370	24.07	25.180	27.460	30.380	43.160	69.650
NORMALIZED MAX	2.484	2.656	2.827	2.721	3.205	3.151	3.272	3.14	2.879	2.779	2.952	2.747	2.473
CALC. COEF. VAR	.368	.413	.486	.468	.445	.438	.452	.445	.421	.409	.377	.381	.275
REGN. COEF. VAR	.341	.377	.396	.397	.389	.394	.383	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.394	.383	.380	.376	.367	.374	.365	.291

MEAN/A	.0930	.1287	.1516	.1621	.1786	.1925	.2140	.2370	.2699	.3037	.3610	.5355	1.0000
RP10/A	.1355	.2321	.2721	.2745	.3207	.3277	.3573	.4055	.4467	.5415	.6379	.9251	.15559
RP50/A	.1585	.2307	.2694	.2854	.3141	.3294	.3414	.3771	.4165	.4721	.5920	.6923	.10150
RP100/A	.1749	.2611	.3047	.3253	.3771	.4187	.4579	.5181	.5920	.6923	.1.0150	.1.6725	
RP1000/A	.2412	.3623	.4321	.4938	.5486	.5168	.5736	.6192	.7005	.8025	.9341	.1.3652	.2.1090
RP10000/A	.2891	.4398	.5282	.5455	.5768	.6159	.6835	.7324	.8286	.9502	.1.0308	.1.6108	.2.4030
PMF/A	.5686	.8565	1.0520	1.2177	1.4221	1.3012	1.4434	1.5878	1.7919	2.066			

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 840 2609 0 EARLY INTAKE 2356 11 015 11E C M 37°8'05" 119°49'57" 55

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	2.83	3.92	4.56	5.07	5.49	5.93	6.55	7.23	8.46	9.47	11.16	16.48	30.26
5	3.79	5.41	6.36	7.06	7.56	8.14	8.99	9.87	11.51	13.00	15.17	22.24	38.31
10	4.40	6.30	7.52	8.55	9.51	10.51	11.55	11.88	13.38	15.15	17.92	25.74	42.95
20	4.97	7.29	8.69	9.47	10.03	10.77	11.59	12.46	13.79	15.24	17.07	25.94	46.02
25	5.15	7.37	8.93	9.63	10.30	11.15	12.31	13.38	15.58	17.68	20.50	29.91	46.25
40	5.23	8.16	9.10	10.57	11.14	11.94	13.19	14.29	16.63	18.90	21.88	31.90	50.73
50	5.68	8.43	9.94	10.91	11.48	12.31	13.59	14.71	17.12	19.46	22.52	32.82	51.86
100	6.20	9.27	10.92	11.94	12.52	13.42	14.81	15.98	18.58	21.15	24.44	35.59	55.25
200	6.70	10.05	11.87	12.95	13.52	14.49	15.99	17.28	19.99	22.78	26.29	38.25	56.45
400	7.83	11.92	14.01	15.19	15.76	16.87	18.62	19.80	23.19	26.24	30.44	44.14	65.40
1000	9.39	14.11	16.95	17.70	18.20	19.22	20.34	21.39	23.24	25.24	29.19	52.89	74.32
PMP	18.46	26.19	34.10	37.75	39.79	42.47	46.84	51.03	59.12	67.93	77.63	112.12	166.38
MEAN	3.019	4.236	4.913	5.428	5.822	6.283	6.945	7.616	8.904	9.983	11.744	17.316	31.011
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW.	.763	1.637	1.449	1.305	1.033	1.312	1.296	1.339	.823	.804	.837	.863	.225
REGIONAL SKW.	1.100	1.200	1.100	1.000	*.900	*.900	*.900	*.800	*.800	*.800	*.800	*.800	.500
USED SKW.	1.100	1.200	1.100	1.000	*.900	*.900	*.900	*.800	*.800	*.800	*.800	*.800	.500
KURTOSIS	3.472	6.059	5.800	5.542	5.155	6.818	5.645	5.858	3.608	3.873	3.809	3.722	3.942
RECORD YEAR	67	47	47	47	47	47	47	47	47	47	47	47	47
RECORD MAXIMUM	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	10.00	12.40	13.50	14.10	14.70	14.20	20.00	21.64	25.80	34.20	53.90	84.00	127.73
CALC. COEF. VAR	.206	3.292	3.339	3.448	3.479	1.872	3.593	3.643	3.000	3.097	3.000	3.000	2.000
REGN. COEF. VAR	.319	.424	.458	.435	.412	.420	.434	.426	.420	.390	.369	.349	.312
REGD. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.355	.291
MEAN/A	.0974	.1366	.1584	.1750	.1877	.2026	.2239	.2456	.2671	.3219	.3787	.5584	1.0000
RP10/A	1.1419	.2056	.2426	.2682	.2855	.3068	.3389	.3703	.4314	.4884	.5680	.6307	1.3850
RP25/A	1.1659	.2441	.2880	.3170	.3351	.3596	.3971	.4256	.523	.5702	.6610	.6946	1.5559
RP50/A	1.1832	.2718	.3205	.3517	.3702	.3969	.4389	.4745	.5519	.6275	.7261	1.0593	1.6725
RP100/A	1.1998	.2988	.3521	.3851	.4037	.4327	.4776	.5154	.5929	.6821	.7882	1.1476	1.7815
RP1000/A	1.2525	.3845	.4517	.4899	.5082	.5440	.6003	.6417	.7453	.8507	.9799	1.4234	2.1090
RP10000/A	1.3027	.4668	.5465	.5890	.6061	.6483	.7153	.7590	.8810	1.0073	1.1579	1.5795	2.4030
PMP/A	.5953	.9090	1.0996	1.2174	1.2831	1.3694	1.5105	1.6454	1.9064	2.1904	2.5032	3.6155	5.3550

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 840 7666 0 GROVELAND 2828 21 015 16E M 37°8'33" 120°21'57" 55

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.18	4.38	4.96	5.31	6.03	6.54	7.27	8.05	9.72	10.97	13.26	20.15	35.47
5	4.25	6.03	6.92	7.38	8.32	8.89	9.97	10.99	13.22	15.05	18.20	24.40	44.30
10	4.93	7.11	8.18	8.70	9.73	10.49	11.65	12.79	15.36	18.55	20.92	31.50	50.30
20	5.57	8.13	9.35	9.92	10.83	11.87	13.14	14.41	17.14	19.19	23.35	35.87	59.12
25	5.77	8.44	9.71	10.29	11.13	12.33	13.69	14.90	17.48	20.48	24.35	36.57	56.56
40	5.87	9.10	9.89	11.05	12.24	13.17	14.62	15.91	19.09	21.89	25.99	39.00	56.46
50	6.37	9.40	10.81	11.40	12.62	13.58	15.07	16.38	19.65	22.54	26.75	40.12	60.79
100	6.95	10.33	11.87	12.49	13.73	14.80	15.43	17.79	21.34	24.50	29.04	43.51	64.76
200	7.51	11.24	12.91	13.54	14.87	15.98	17.74	19.15	22.96	26.33	31.24	46.77	66.52
400	8.78	13.30	15.23	15.88	17.33	18.61	20.65	22.16	26.54	30.55	36.10	53.97	76.66
1000	10.52	16.15	18.43	19.10	20.66	22.17	24.50	26.21	31.31	36.17	42.06	63.68	87.35
PMP	20.70	31.34	37.08	39.47	43.75	46.84	51.95	56.81	67.88	78.67	82.22	137.08	195.02
MEAN	3.385	4.724	5.343	5.675	6.401	6.999	7.702	8.479	10.223	11.561	13.952	21.170	36.350
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW.	.617	.639	1.001	.772	.510	.582	.074	.967	.909	.453	.249	.1269	.2127
REGIONAL SKW.	1.100	1.200	1.100	1.000	*.900	*.900	*.900	*.800	*.800	*.800	*.800	*.800	.500
USED SKW.	1.100	1.200	1.100	1.000	*.900	*.900	*.900	*.800	*.800	*.800	*.800	*.800	.500
KURTOSIS	2.902	2.934	3.698	3.187	2.928	3.052	4.650	3.541	3.091	5.666	5.856	4.696	2.534
RECORD YEAR	29	29	29	29	29	29	29	29	29	29	29	29	31
RECORD MAXIMUM	1909	1911	1911	1911	1932	1932	1911	1911	1938	1911	1911	1911	1911
NORMALIZED MAX	1.480	7.450	10.000	10.400	11.150	12.530	16.000	16.97	18.450	27.500	31.400	48.250	59.150
CALC. COEF. VAR	1.033	1.941	2.021	2.384	2.384	2.389	2.693	2.907	2.627	3.255	3.243	2.976	2.1523
REGN. COEF. VAR	.256	.330	.366	.344	.354	.383	.350	.358	.426	.395	.430	.374	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0931	.1300	.1470	.1561	.1761	.1906	.2119	.2333	.2813	.3100	.3838	.5824	1.0000
RP10/A	1.1357	.1958	.2255	.2678	.2885	.3206	.3517	.4226	.4825	.5757	.6665	.8350	
RP25/A	1.1587	.2323	.2573	.2828	.3143	.3384	.3757	.4099	.4620	.5634	.6699	1.0051	1.5559
RP50/A	1.1752	.2586	.2975	.3137	.3472	.3735	.4146	.4507	.5407	.6200	.7300	1.1038	1.6725
RP100/A	1.1911	.2843	.3267	.3435	.3787	.4071	.4519	.4895	.5870	.6739	.7988	1.1970	.7815
RP1000/A	1.2415	.3559	.4191	.4370	.4767	.5118	.5680	.5995	.7301	.8404	.9931	1.4647	2.1090
RP10000/A	.2895	.4442	.5070	.5254	.5685	.6100	.6768	.7209	.8330	.9951	1.1735	.17518	2.4030
PMP/A	.5695	.8649	1.0202	1.059	1.2035	1.2667	1.4293	1.5629	1.8675	2.1643	2.5317	3.7710	5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 840 3672 0 GROVELAND RANGER STATION 3135 27 015 17E L M 37°8'81" 120°10'00" 55 COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.445	4.73	5.58	6.17	6.72	7.21	8.18	9.19	10.59	12.07	14.43	19.94	35.70
5	4.40	6.52	7.78	8.59	9.26	9.90	11.22	12.65	14.41	16.56	19.60	26.91	46.19
10	5.25	7.49	9.19	10.12	10.84	11.57	13.12	14.59	16.75	19.30	22.76	31.16	50.67
20	6.04	8.79	10.51	11.52	12.22	13.09	14.84	16.44	18.85	21.70	25.62	35.01	55.47
25	6.76	9.13	10.91	11.96	12.72	13.50	15.37	17.01	19.50	22.54	26.49	36.18	56.92
40	6.36	9.84	11.11	12.85	13.63	14.52	16.46	18.16	20.82	24.09	28.27	38.59	59.84
50	6.91	10.17	12.15	13.27	14.05	14.97	16.97	18.70	21.43	24.80	29.10	39.70	61.18
100	7.54	11.11	13.34	14.52	15.33	16.32	18.49	20.31	23.25	26.98	31.98	43.60	67.17
200	8.15	12.15	14.50	15.62	16.56	17.52	19.66	20.63	23.63	26.93	33.98	46.95	70.95
1000	9.52	14.38	17.11	18.48	19.29	20.51	23.24	25.29	28.93	33.62	39.27	53.39	77.15
10000	11.51	17.46	20.71	22.22	23.01	24.45	27.69	29.91	34.20	39.81	46.40	63.00	87.91
PMP	22.45	34.00	41.66	46.92	48.72	51.64	58.48	64.84	74.01	86.58	100.32	135.62	196.26

MEAN	3.671	5.109	6.004	6.603	7.128	7.600	8.670	9.677	11.146	12.723	15.177	20.945	36.581
CLOCK MP, CDP*	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.018	6.655	5.950	5.277	4.628	4.390	3.734	3.670	3.126	2.691	2.664	3.806	2.673
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAH	1965	1965	1963	1963	1963	1964	1965	1966	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.300	11.250	14.230	15.950	15.950	16.900	18.080	20.240	22.620	24.110	26.610	39.130	59.910
NORMALIZED MAX	1.776	2.459	2.571	2.655	2.514	2.452	2.217	2.362	2.208	2.063	1.985	2.349	2.162
CALC. COEF. VAR	.403	.489	.533	.533	.492	.496	.490	.462	.466	.436	.380	.374	.295
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.1004	.1396	.1641	.1805	.1948	.2088	.2370	.2645	.3047	.3478	.4149	.5726	1.0000
PP1/A	.1462	.2102	.2513	.2765	.2963	.3162	.3585	.3989	.4578	.5277	.6222	.8519	1.3850
PP25/A	.1711	.2496	.2984	.3264	.3478	.3707	.4202	.4649	.5330	.6161	.7241	.9891	1.5559
PP50/A	.1884	.2775	.3321	.3626	.3842	.4092	.4638	.5111	.5857	.6780	.7955	1.0852	1.6725
PP100/A	.2050	.3055	.3647	.3971	.4190	.4469	.5055	.5552	.6350	.7170	.8634	.1045	.2150
PP1000/A	.2603	.3931	.4678	.5052	.5274	.5667	.6255	.6755	.7250	.7919	.8911	.9344	.1456
PP10000/A	.3120	.4773	.5861	.6071	.6291	.6683	.7176	.7516	.7949	.8349	.8983	.12685	1.7223
PPM/A	.6137	.9294	1.1390	1.2953	1.3117	1.4117	1.5986	1.7724	2.0231	2.3669	2.7423	3.7074	5.4650

STATION NO. 85N ORDER SUB 840 3939 0 METCH HETCMY 3870 16 01N 20E G M 37°9'45" 119°7'82" 55 COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.02	4.10	4.80	5.24	5.68	6.05	6.68	7.33	8.45	9.56	11.30	16.47	33.31
5	4.04	5.65	6.70	7.29	7.63	8.21	9.17	10.01	11.50	13.11	15.36	22.22	42.16
10	4.49	6.36	7.92	8.58	9.16	9.72	10.77	11.66	13.36	15.28	17.83	25.71	47.27
20	5.30	7.61	9.05	9.78	10.38	11.00	12.13	13.11	15.04	17.24	20.07	28.91	51.75
25	5.49	7.91	9.40	10.15	10.76	11.39	12.57	13.56	15.55	17.84	20.75	29.88	53.10
40	5.58	8.52	9.58	10.91	11.52	12.20	13.45	14.49	16.6n	19.05	22.15	31.87	55.83
50	6.08	8.81	10.47	11.26	11.88	12.57	13.86	14.91	17.09	19.63	22.24	32.99	57.08
60	6.61	9.68	11.49	12.33	12.96	13.71	15.16	16.55	18.54	20.74	23.55	34.55	61.61
100	7.15	10.59	12.49	13.40	14.00	15.31	17.43	19.96	22.98	26.62	30.22	64.33	
1000	8.35	12.46	14.34	15.68	16.31	17.23	18.99	20.17	23.09	26.61	30.76	44.10	71.98
10000	10.01	15.13	17.84	18.85	19.45	20.54	22.63	23.85	27.28	31.51	36.35	52.04	82.02
PHP	19.69	29.46	35.89	38.97	41.18	43.39	47.78	51.71	59.03	68.53	78.58	112.01	183.11

MEAN	3.220	4.427	5.172	5.603	6.025	6.418	7.083	7.719	8.89n	10.070	11.888	17.299	34.131
CLOCK MP, CDP*	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.020	1.011	1.573	1.462	1.271	1.397	1.263	1.249	1.286	1.267	1.228	.812	.505
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	9.072	6.520	6.266	5.843	5.475	6.269	5.202	5.168	3.904	3.745	4.459	3.893	2.522
N	59	59	59	59	59	59	59	59	58	58	58	58	62
RECORD MAXIMUM	1963	1966	1966	1966	1966	1966	1966	1966	1956	1956	1956	1956	1938
NORMALIZED MAX	7.910	10.590	13.690	15.100	15.560	17.430	18.170	19.450	20.170	21.150	25.720	37.030	55.620
CALC. COEF. VAR	3.574	3.093	3.469	3.613	3.626	3.914	3.600	3.628	3.213	2.800	3.224	3.238	7.288
REGN. COEF. VAR	.408	.450	.475	.469	.436	.438	.435	.419	.395	.392	.361	.352	.275
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0943	.1297	.1515	.1642	.1765	.1880	.2075	.2261	.2605	.2951	.3483	.5069	1.0000
PP1/A	.1375	.1952	.2320	.2515	.2685	.2847	.3140	.3410	.3913	.4476	.5224	.7541	1.3850
PP25/A	.1608	.2318	.2755	.2973	.3152	.3338	.3680	.3974	.4557	.5226	.6808	.8756	1.5559
PP50/A	.1775	.2581	.3067	.3298	.3481	.3684	.4061	.4369	.5007	.5751	.6569	.8660	1.6225
PP100/A	.1936	.283	.3368	.3612	.3796	.4016	.4426	.4726	.5226	.5922	.6749	.8167	1.7815
PP1000/A	.2447	.3651	.4320	.4545	.4816	.5049	.5535	.5					

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
850 4353 0 SONORA 1724 36 02N 14E M 37.983 120.343 55

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.74	3.68	4.31	4.74	5.21	5.69	6.39	7.14	8.30	9.32	11.13	16.57	30.94
5	3.66	5.06	6.00	6.59	7.19	7.62	8.76	9.74	11.29	12.78	15.12	22.37	39.17
10	4.25	5.97	7.10	7.77	8.42	9.14	10.24	11.23	13.11	14.90	17.58	25.90	43.92
20	4.80	6.82	8.11	8.85	9.53	10.34	11.59	12.77	14.76	16.81	19.74	29.10	48.08
25	4.97	7.09	8.43	9.18	9.88	10.71	12.05	13.21	15.27	17.39	20.43	30.08	49.33
40	5.05	7.64	8.58	9.87	10.58	11.47	12.85	14.10	16.30	18.59	21.81	32.08	51.87
50	5.48	7.90	9.38	10.18	10.91	11.89	13.25	14.52	16.78	19.14	22.45	33.00	53.03
100	5.94	8.68	10.30	11.15	11.90	12.82	14.44	15.17	17.22	20.80	24.31	35.74	56.49
200	6.47	10.20	11.86	12.70	13.57	14.59	16.17	17.97	19.96	22.41	26.81	38.66	57.77
1000	7.56	11.17	12.22	14.19	14.98	16.20	18.15	19.63	22.66	24.95	30.29	44.39	66.87
10000	9.06	13.56	15.99	17.06	17.87	19.31	21.62	23.22	26.78	30.72	35.79	52.37	76.20
PMP	17.83	26.41	32.17	35.25	37.82	40.80	45.66	50.35	57.96	66.82	77.38	112.74	170.11

MEAN	2.915	3.968	4.636	5.069	5.534	6.035	6.770	7.514	8.728	9.819	11.707	17.411	31.708
CLOCK HR. CORR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.102	1.260	1.105	.931	.671	.865	.945	.786	.714	.800	.800	.800	.800
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.900	.800	.800	.800	.800	.800
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.900	.800	.800	.800	.800	.800

KURTOSIS	3.799	4.824	4.157	3.815	3.238	4.165	3.822	3.413	3.051	3.279	2.924	2.953	2.448
71	71	71	71	70	71	71	71	71	71	71	71	71	71
RECORD YEAR	187	196	196	196	196	196	196	196	196	196	196	196	196
RECORD MAXIMUM	5.420	8.570	10.450	11.250	11.680	13.550	14.710	15.990	17.530	19.630	22.390	33.420	51.120
NORMALIZED MAX	2.377	3.256	3.139	3.238	3.154	3.549	3.170	3.126	2.731	2.678	2.564	2.687	2.316
CALC. COEF. VAR	.361	.356	.400	.377	.352	.351	.370	.361	.365	.373	.356	.364	.264
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.388	.376	.397	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0919	.1251	.1462	.1599	.1745	.1903	.2125	.2370	.2753	.3097	.3692	.5491	1.0000
RP10/A	.1340	.1884	.2239	.2449	.2655	.2882	.3230	.3573	.4136	.4694	.5538	.8170	1.3850
RP25/A	.1567	.2236	.2658	.2895	.3115	.3379	.3786	.4165	.4816	.5485	.6444	.9486	1.5553
RP50/A	.1730	.2490	.2958	.3212	.3441	.3729	.4178	.4579	.5292	.6036	.7079	1.0408	1.6725
RP100/A	.1887	.2737	.3249	.3517	.3753	.4065	.4553	.4973	.5745	.6561	.7688	1.1285	1.7815
RP1000/A	.2385	.3525	.4168	.4474	.4724	.5110	.5723	.6192	.7146	.8183	.9558	1.3998	2.1090
RP10000/A	.2859	.4217	.5043	.5379	.5834	.6091	.6820	.7324	.8484	.9889	1.1289	1.6517	2.4030
PMP/A	.5622	.8328	1.0146	1.1118	1.1728	1.2866	1.4401	1.5878	1.8278	2.0405	2.4055	3.5955	5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
850 2539 0 DUDLEYS 3000 21 025 17E D M 37.754 120.1n8 22

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.48	4.89	5.81	6.28	6.95	7.45	8.33	9.24	10.98	12.60	15.20	21.55	37.94
5	4.65	7.74	8.10	8.73	9.57	10.24	11.43	12.61	14.95	17.29	20.45	29.09	44.03
10	5.40	7.95	8.58	9.28	11.21	11.97	13.35	14.67	17.36	20.15	23.98	33.69	51.85
20	6.10	9.09	10.45	11.71	12.70	13.54	15.11	16.53	19.55	22.74	26.99	37.85	58.96
25	6.32	9.44	11.37	12.16	13.11	14.03	15.65	17.10	20.22	23.53	27.91	39.12	60.49
40	6.43	10.17	11.58	13.07	14.10	15.02	16.76	18.26	21.58	25.15	29.79	41.72	63.60
50	6.98	10.51	12.66	13.49	14.53	15.48	17.27	18.80	22.26	25.89	30.68	42.92	65.03
100	7.61	11.56	13.90	14.77	15.82	16.88	18.81	20.42	23.29	26.14	32.04	46.54	69.27
200	8.23	12.57	15.71	16.91	17.92	18.29	20.29	21.98	25.95	30.30	35.80	50.02	73.53
1000	9.42	18.87	21.83	19.95	21.22	23.64	26.00	30.00	35.10	41.37	57.73	83.00	113.43
10000	11.63	21.86	22.59	23.79	25.29	26.19	30.07	35.46	41.56	48.88	68.61	91.43	128.60
PMP	22.67	35.16	43.41	46.69	50.37	53.43	59.53	65.19	76.74	90.39	105.68	146.62	208.60

MEAN	3.769	5.283	6.255	6.713	7.370	7.963	8.826	9.730	11.557	13.283	15.988	22.645	38.881
CLOCK HR. CORR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.154	1.443	1.350	1.161	1.092	1.111	1.063	.994	.868	.713	.499	.171	.181
REGIONAL SKEW	1.100	2.000	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	9.767	5.202	5.079	4.504	4.518	4.550	4.037	3.507	2.488	3.212	2.851	2.854	1.698
74	44	44	44	44	44	44	44	44	44	44	44	44	44
RECORD MAXIMUM	1951	1951	1951	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	8.410	11.370	13.490	15.130	16.420	17.140	19.630	20.520	21.460	27.200	30.420	44.490	59.030
CALC. COEF. VAR	.376	2.785	2.667	2.930	2.891	3.013	2.899	2.295	2.727	2.434	2.596	1.783	
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.383	.373	.384	.371	.372	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0954	.1359	.1609	.1726	.1896	.2033	.2270	.2502	.2972	.3416	.4112	.5824	1.0000
RP10/A	.1390	.2045	.2463	.2645	.2883	.3078	.3434	.3773	.4466	.5143	.6167	.8665	1.3950
RP25/A	.1625	.2428	.2925	.3127	.3364	.3608	.4025	.4398	.5200	.6051	.7177	1.0061	1.5559
RP50/A	.1794	.2704	.3256	.3469	.3738	.3983	.4442	.4835	.5714	.6659	.7885	1.0103	1.6782
RP100/A	.1957	.2975	.3575	.3798	.4076	.4341	.4841	.5255	.6203	.7239	.8585	1.0707	1.7815
RP1000/A	.2473	.3725	.4442	.4752	.5104	.5565	.6016	.6548	.7261	.8191	.9480	1.1490	1.9190
RP10000/A	.2955	.4644	.5549	.5809	.6120	.6504	.7251	.7734	.8121	.8690	.9252	1.2572	1.7518
PMP/A	.5831	.9043	1.1165	1.2008	1.2956	1.3741	1.5311	1.6766	1.9736	2.3248	2.7181	3.7711	5.3550

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS<br

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
850 9546 0  
STATION NAME  
MARIPOSA  
ELEV 2011 23 055 18F R M 37°48' 119°54' 22

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.19	4.19	4.83	5.23	5.67	6.09	6.55	7.32	8.49	9.42	11.36	16.33	28.89
5	4.26	5.77	6.74	7.28	7.82	8.37	9.13	9.99	11.55	12.93	15.44	22.04	36.56
10	4.95	6.80	7.96	8.58	9.15	9.78	10.67	11.62	13.42	15.07	17.92	25.53	41.00
20	5.59	7.77	9.10	9.77	10.37	11.07	12.07	13.16	15.11	17.00	20.17	28.68	44.88
25	5.79	8.08	9.46	10.14	10.75	11.47	12.51	13.55	15.62	17.59	20.86	29.64	46.06
40	5.88	8.47	9.63	10.84	11.51	12.26	13.39	14.47	16.66	18.80	22.27	31.01	48.42
50	5.99	9.00	10.22	11.55	11.97	12.64	13.89	15.17	17.34	19.62	22.92	32.52	45.80
60	6.97	9.89	11.56	12.71	12.94	13.89	15.04	16.18	18.64	21.04	24.87	32.27	52.74
100	7.53	10.76	12.56	13.35	13.98	14.90	16.24	17.41	20.05	22.66	26.76	37.91	55.80
200	8.80	12.73	14.83	15.67	16.29	17.35	18.91	20.14	23.18	26.24	30.92	43.74	62.43
1000	10.45	15.45	17.94	18.84	19.43	20.67	22.53	23.82	27.40	31.08	36.54	51.61	71.13
PMP	20.76	30.08	36.10	38.93	41.14	43.67	47.57	51.65	59.30	67.58	79.00	111.11	158.81
MEAN	3.394	4.520	5.201	5.598	6.019	6.450	7.053	7.709	8.930	9.931	11.951	17.160	29.601
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.734	1.634	1.464	1.191	1.069	1.111	1.178	1.054	1.779	1.679	1.562	1.472	1.277
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
KURTOSIS	6.339	5.934	5.326	4.817	4.739	4.970	4.824	4.414	3.162	2.904	2.705	2.334	2.643
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1938
RECORD MAXIMUM	7.300	10.170	12.770	13.520	14.260	15.370	16.860	17.790	18.480	19.260	22.940	31.750	45.780
NORMALIZED MAX	2.706	2.781	3.085	3.133	3.217	3.275	3.292	3.212	2.672	2.453	2.503	2.271	1.885
CALC. COEF. VAR	.425	.449	.472	.452	.426	.421	.429	.407	.400	.383	.367	.374	.290
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.380	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	+1147	+1527	+1757	+1891	+2034	+2182	+2383	+2664	+3017	+3355	+4037	+5797	1.0000
RP10/A	+1671	+2299	+2690	+2897	+3093	+3304	+3695	+3927	+4533	+5090	+6055	+8625	+1.3850
RP25/A	+1954	+2729	+3194	+3460	+3630	+3874	+4225	+4737	+5278	+5843	+7047	+1.0014	+1.5559
RP50/A	+2157	+3037	+3456	+3704	+3910	+4176	+4576	+5033	+5597	+6204	+7402	+1.0007	+1.4758
RP100/A	+2254	+3195	+3605	+3873	+4161	+5099	+5465	+6296	+7139	+8043	+9194	+1.7815	
RP1000/A	+2974	+4299	+5009	+5293	+5655	+5860	+6387	+6804	+7831	+8666	+10447	+14778	+2.1090
RP10000/A	+3565	+5219	+6050	+6363	+6565	+6984	+7611	+8048	+9257	+1.0498	+1.2344	+1.7437	+2.4030
PMP/A	+7012	+1.0162	+1.2194	+1.3152	+1.3899	+1.4753	+1.6072	+1.7448	+2.0032	+2.2832	+2.6688	+3.7538	+5.3650

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
850 9855 0  
STATION NAME  
YOSEMITE  
ELEV 3985 20 025 22E M 37°75' 119°54' 22

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.12	4.40	5.20	5.76	6.29	6.73	7.39	8.18	9.58	10.70	12.71	18.18	34.22
5	4.16	6.06	7.25	8.01	8.67	9.25	10.15	11.17	12.04	14.68	17.27	24.54	43.32
10	4.84	7.15	8.57	9.43	10.15	10.81	11.86	12.99	15.15	17.10	20.05	28.42	48.57
20	5.46	8.17	9.80	10.75	11.49	12.23	13.42	14.64	17.05	19.30	22.57	31.92	53.18
25	5.66	8.49	10.18	11.15	11.91	12.67	13.90	15.14	17.64	19.97	23.34	32.99	54.57
40	5.75	9.15	10.37	11.99	12.76	13.57	14.88	16.17	18.83	21.34	24.91	35.19	57.37
50	6.25	9.45	11.33	12.76	13.15	13.94	15.34	16.65	18.78	21.98	25.64	35.19	56.46
100	6.01	9.84	12.45	13.55	13.25	15.02	16.72	18.49	21.09	24.83	29.25	52.82	82.49
200	7.37	11.31	13.53	14.69	15.50	16.46	18.05	19.46	22.64	25.73	29.93	42.19	66.11
1000	8.61	13.37	15.96	17.24	18.06	19.17	21.01	22.51	26.17	29.79	34.59	48.69	73.96
10000	10.32	16.23	19.31	20.72	21.54	22.87	25.04	26.63	30.94	35.27	40.88	57.45	84.28
PMP	20.30	31.61	38.85	42.83	45.60	48.26	52.87	57.72	66.94	76.72	88.37	123.67	188.16
MEAN	3.720	4.750	5.599	6.158	6.671	7.136	7.839	8.615	10.082	11.273	13.370	19.099	35.072
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.920	1.694	1.972	1.664	1.414	1.276	1.285	1.168	.870	.777	.680	.628	.577
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
KURTOSIS	7.616	6.114	8.083	6.536	5.960	5.543	5.400	4.789	3.728	3.383	3.240	3.025	3.131
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1969
RECORD MAXIMUM	8.050	12.280	16.670	17.380	18.855	19.840	21.840	22.911	23.550	24.730	29.350	40.150	64.100
NORMALIZED MAX	3.238	3.266	3.846	3.773	3.859	3.820	3.625	3.151	2.813	2.895	2.640	2.643	
CALC. COEF. VAR	.440	.485	.514	.483	.473	.465	.468	.458	.424	.424	.413	.417	.313
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	+0947	+1354	+1596	+1756	+1902	+2035	+2235	+2457	+2875	+3214	+3812	+5446	1.0000
RP10/A	+1379	+2039	+2444	+2690	+2893	+3082	+3381	+3704	+4319	+4877	+5717	+8102	+1.3850
RP25/A	+1613	+2420	+2902	+3180	+3390	+3613	+3963	+4317	+5029	+5694	+6654	+1.0000	+1.5559
RP50/A	+1781	+2693	+3230	+3528	+3751	+3988	+4374	+4746	+5526	+6266	+7122	+1.0324	+1.6725
RP100/A	+1943	+3000	+3436	+3744	+4054	+4474	+4847	+5165	+6199	+7159	+8194	+9734	+1.0215
RP1000/A	+2453	+3813	+4551	+4914	+5199	+5495	+5992	+6412	+7139	+7592	+8821	+1.0058	+1.1655
PMP/A	+2943	+4629	+5504	+5908	+6142	+6513	+7139	+7592	+8821	+1.0058	+1.1655	+1.6380	+2.4030
	+5789	+9014	+1.1079	+1.2212	+1.3002	+1.3759	+1.5074	+1.6459	+1.9088	+2.1874	+2.5198	+3.5261	+5.3650

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY	CODE		
BSN ORDER SUB		2140	0A	105	PPE	F	M	37.090	119.508	10	10		
MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.52	3.35	3.77	4.12	4.45	4.77	5.12	5.68	6.71	7.40	8.90	12.42	21.76
5	3.68	5.09	5.75	6.23	6.67	7.07	7.56	8.30	9.70	10.59	12.55	18.14	31.71
10	4.42	6.23	7.02	7.57	8.05	8.50	9.08	9.90	11.53	12.54	14.78	21.38	36.30
20	5.11	7.33	8.21	8.80	9.31	9.81	10.47	11.30	13.18	14.30	16.79	24.31	46.33
25	5.33	7.63	8.51	9.18	9.70	10.21	10.89	11.78	13.63	14.84	17.40	25.21	41.54
40	5.43	7.82	8.75	9.46	10.05	10.59	11.20	12.08	14.02	15.04	18.02	27.05	43.90
50	5.49	8.46	9.69	10.37	10.94	11.52	12.17	13.11	15.03	16.45	19.74	29.49	45.11
100	6.61	9.62	10.76	11.42	11.98	12.57	13.40	14.26	16.63	17.98	20.94	34.95	44.46
200	7.22	10.58	11.80	12.49	13.05	13.63	14.58	15.57	19.01	19.46	22.68	32.90	51.63
1000	8.59	12.73	14.15	14.88	15.45	16.16	17.21	18.25	21.07	22.72	26.41	38.30	58.49
10000	10.48	15.73	17.39	18.15	18.70	19.53	20.79	21.86	25.19	27.12	31.43	45.67	67.50
PMP	21.50	31.82	36.25	38.47	41.20	42.83	45.59	49.13	56.35	61.37	69.42	101.05	158.29

MEAN	2.747	3.717	4.155	4.494	4.805	5.138	5.510	6.058	7.146	7.865	9.432	13.591	24.503
CLOCK HR. COR.	1.140	1.770	1.040	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.076	1.226	1.063	0.958	1.045	0.836	0.976	0.851	0.839	0.594	0.765	1.020	0.783
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.500
SKEW USED	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.500

KURTOSIS	3.279	3.863	3.474	3.111	2.967	2.988	3.475	3.055	2.594	2.482	2.750	3.222	3.013
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1938	1938	1963	1963	1956	1956	1956	1969	1969	1969	1938	1938	1938
RECORD MAXIMUM	4.700	7.780	8.790	8.970	9.970	10.470	11.570	12.520	13.970	14.350	17.470	28.090	45.550
NORMALIZED MAX	1.844	2.446	2.470	2.234	2.240	2.453	2.643	2.550	2.295	2.113	2.154	2.550	7.444
CALC. COEF. VAR	.381	.667	.452	.446	.444	.670	.423	.418	.416	.390	.395	.418	.352
REGN. COEF. VAR	.455	.504	.515	.510	.505	.480	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.480	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1121	.1517	.1696	.1834	.1961	.2097	.2249	.2472	.2917	.3210	.3849	.5547	.1.0000
PPI/A	.1496	.2542	.2867	.3088	.3247	.3470	.3706	.4039	.4766	.5119	.6031	.8727	.1.0000
PP50/A	.2113	.3133	.3500	.3745	.4000	.4191	.4406	.4741	.5271	.5710	.6103	.7103	1.0000
PP100/A	.2494	.3925	.4391	.4651	.4889	.5130	.5564	.5861	.6277	.6714	.7134	.8384	1.0000
PP1000/A	.3506	.5199	.5777	.6072	.6306	.6597	.7025	.7447	.7849	.8273	.9273	1.0777	1.0000
PP10000/A	.4277	.6420	.7097	.7406	.7634	.7972	.8486	.8929	.9281	.1.0688	.1.2828	.1.6338	2.7550
PMP/A	.8774	1.2866	1.4795	1.5865	1.6814	1.7479	1.8574	2.0052	2.2947	2.4636	2.8332	4.1241	6.4600

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY	CODE		
BSN ORDER SUB		4930	28	085	25E	J	M	37.204	119.262	10	10		
MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D

2	3.17	4.45	4.94	5.22	5.59	6.00	6.37	7.06	8.15	9.10	11.35	16.29	30.51
5	4.63	6.75	7.53	7.99	8.38	8.80	9.42	10.32	11.78	13.11	16.00	23.05	40.72
10	5.57	8.26	9.20	9.60	10.12	10.70	11.31	12.31	14.05	15.52	18.84	27.17	46.61
20	6.44	9.68	10.75	11.16	11.71	12.30	13.04	14.10	16.00	17.49	19.63	27.77	45.78
25	6.71	10.12	11.23	11.64	12.19	12.85	13.57	14.65	16.62	18.36	22.19	32.04	53.34
40	6.86	11.13	11.81	12.43	13.14	13.84	14.62	15.45	17.42	19.72	23.41	34.84	54.49
50	7.25	11.46	12.68	13.09	13.66	14.37	15.16	16.30	18.45	20.55	26.05	35.55	57.93
100	8.31	12.73	14.09	14.93	15.80	16.59	17.42	18.26	20.19	22.25	26.92	36.69	62.62
200	9.08	14.03	15.46	15.84	16.41	17.22	18.16	19.37	21.87	24.07	27.82	41.82	66.29
1000	10.81	16.93	18.53	18.87	19.42	20.34	21.44	22.69	25.58	28.11	33.67	48.72	75.11
10000	13.18	20.87	22.77	23.02	23.51	24.58	25.86	27.18	30.59	33.55	40.08	56.04	86.68
PMP	27.05	42.22	47.46	49.30	51.78	53.90	56.69	61.11	68.43	74.68	88.52	128.42	203.25

MEAN/A	3.497	4.932	5.440	5.700	6.038	6.466	6.863	7.535	8.678	9.730	12.027	17.272	31.462
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.934	1.572	1.617	1.806	1.840	1.776	1.832	1.873	1.895	.791	1.735	1.776	
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.500
SKEW USED	1.100	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.500

KURTOSIS	4.017	5.010	5.718	6.618	7.206	7.319	7.463	7.320	8.419	8.831	3.545	3.327	3.056
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.050	11.930	14.000	15.830	17.220	18.090	18.670	19.530	20.580	20.930	24.080	33.930	45.200
NORMALIZED MAX	2.160	2.457	3.074	3.351	3.523	3.588	3.600	3.488	3.034	2.768	2.566	2.507	2.468
CALC. COEF. VAR	.381	.667	.512	.530	.528	.516	.484	.456	.452	.416	.391	.385	.306
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.488	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.499	.488	.474	.459	.445	.424	.429	.364

MEAN/A	.1099	.1568	.1729	.1812	.1919	.2055	.2181	.2395	.2758	.3092	.3823	.5490	.1.0000
PPI/A	.1747	.2627	.2923	.3050	.3217	.3401	.3595	.3912	.4455	.4932	.5959	.8637	.1.4816
PP50/A	.2313	.3363	.3565	.3699	.3824	.4046	.4233	.465					

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
870 2122 0

STATION NAME	ELFV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE
CRANE VALLEY POWER HOUSE	34+0	25	075	22E	M	M	37°29'	119°56'	20	

MAXIMUM PRECIPITATION FOR INDICATED DURATION H-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	7.98	5.49	6.43	6.96	7.62	8.20	9.04	9.84	11.40	12.63	15.12	21.54	38.95
5	5.81	8.34	9.80	10.54	11.44	12.17	13.37	14.38	16.48	18.08	21.31	30.47	51.98
10	6.94	10.20	11.97	12.79	13.81	14.63	16.05	17.15	19.58	21.40	25.09	35.92	58.51
20	8.08	11.95	13.93	14.87	15.11	15.52	16.54	17.57	19.54	21.24	24.22	36.41	64.10
25	8.47	12.79	14.62	15.52	16.43	17.57	19.24	20.47	22.24	24.32	26.55	42.35	66.99
40	9.58	13.62	14.92	16.46	18.00	18.98	20.80	21.96	24.99	27.70	31.68	45.43	72.11
50	9.44	14.15	16.51	17.45	18.63	19.64	21.52	22.70	25.86	28.07	32.67	46.85	71.95
100	10.43	15.75	18.34	19.31	20.54	21.63	23.68	24.88	28.24	30.48	35.65	51.14	79.43
200	11.79	17.32	20.12	21.12	22.38	23.53	25.78	26.98	30.59	33.20	38.51	55.27	84.02
1000	13.56	20.86	24.13	25.16	26.49	27.81	30.43	31.62	35.79	38.76	44.84	64.40	96.88
10000	16.55	25.77	29.64	30.69	32.07	33.61	36.75	37.87	42.78	46.21	53.37	76.71	110.65
PMP	33.94	52.12	61.79	66.74	70.63	73.69	80.46	85.14	95.69	102.99	117.87	169.73	259.46

MEAN	4.338	6.088	7.082	7.600	8.237	8.841	9.741	10.498	12.136	13.419	16.015	22.829	40.163
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.583	1.555	1.546	1.348	1.185	1.104	1.056	.954	.893	.836	.580	.589	.341
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	5.395	5.370	5.603	4.725	4.184	3.799	3.486	3.183	3.236	2.682	2.748	2.949	2.505
N	72	72	72	72	72	72	72	72	72	72	72	72	72
RECORD YEAR	1956	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	9.740	14.320	13.470	19.640	19.200	20.270	21.150	22.000	25.800	26.000	31.500	45.200	69.300
NORMALIZED MAX	2.533	2.928	3.527	3.279	2.981	2.749	2.487	2.745	2.550	2.524	2.531	2.451	
CALC. COEF. VAR	.427	.552	.566	.479	.457	.441	.439	.429	.425	.442	.393	.395	.297
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.469	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	1.080	1.516	1.763	1.892	2.051	2.201	2.466	2.614	3.022	3.281	3.987	5.664	1.0000
PER/A/4	1.739	2.429	3.091	3.186	3.177	3.342	3.997	4.770	4.775	5.328	6.247	6.923	12.816
PER25/A	2.551	3.111	3.635	3.740	3.741	4.141	4.795	5.683	5.760	6.304	7.357	1.0544	1.6953
HP50/A	.2359	.3522	.4110	.4345	.4638	.4899	.5359	.5563	.6244	.6988	.8135	.1665	.4811
RP100/A	.2597	.3922	.4566	.4809	.5113	.5358	.5897	.6196	.7031	.7639	.8875	.1724	.9776
RP1000/A	.3377	.5195	.6007	.6265	.6595	.6925	.7576	.7873	.8908	.9652	1.1163	.16034	.23872
RP10000/A	.4119	.6415	.7379	.7641	.7984	.8384	.9156	.9430	1.0451	1.1520	1.3282	.19908	.27550
PMF/A	.8451	1.2976	1.5384	1.6367	1.7585	1.8347	2.0034	2.1198	2.3825	2.5643	2.9347	4.2260	.64600

STATION NO.  
BSN ORDER SUB  
870 2121 0

STATION NAME	ELFV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE
FRIANT GOVT CAMP	410	07	115	21E	4	M	36°49'3	119°71'7	10	

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.54	1.90	2.15	2.31	2.67	2.65	2.92	3.28	3.86	4.23	5.20	7.53	13.21
5	2.25	2.89	3.28	3.49	3.71	3.93	4.71	4.79	5.54	6.05	7.33	10.65	17.62
10	2.71	3.54	4.01	4.24	4.48	5.13	5.18	6.32	6.63	7.16	8.43	9.80	20.71
20	3.13	4.14	4.69	4.93	5.18	5.46	5.97	6.55	7.58	8.16	9.58	11.80	24.41
25	3.26	4.33	4.92	5.18	5.50	5.58	5.93	6.34	7.33	8.46	9.10	10.89	24.45
40	4.32	4.47	5.01	5.24	5.50	5.58	6.03	6.47	7.37	8.77	10.10	12.40	24.08
50	3.66	4.90	5.53	5.79	6.04	6.46	6.94	7.57	8.74	9.39	11.23	16.38	25.07
100	4.04	5.46	6.15	6.40	6.66	6.99	7.64	8.29	9.56	10.26	12.26	17.88	26.93
200	4.42	6.00	6.75	7.00	7.26	7.61	8.31	8.99	10.36	11.11	13.24	19.32	28.69
1000	5.26	7.23	8.09	8.34	8.59	8.99	9.81	10.54	12.12	12.97	15.42	22.51	33.50
PMP	13.41	18.93	19.93	16.17	10.40	10.46	11.85	12.62	14.44	15.48	18.42	26.82	47.51

MEAN	1.681	2.110	2.374	2.520	2.670	2.768	2.944	3.140	3.499	4.110	4.489	5.507	7.981	13.617
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.531	1.551	1.414	1.567	1.737	1.956	2.032	2.212	1.597	1.617	.893	.680	.691	
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	3.148	7.981	6.773	6.828	7.642	9.031	9.162	10.553	6.733	6.895	3.658	2.758	3.249	
N	58	58	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1969
RECORD MAXIMUM	2.920	5.420	6.220	6.820	7.360	8.410	9.040	10.63	11.400	12.300	13.100	15.000	25.800	
NORMALIZED MAX	2.152	3.935	3.880	3.909	4.184	4.430	4.494	4.622	4.739	4.843	3.327	2.501	2.884	
CALC. COEF. VAR	.342	.399	.418	.437	.422	.409	.450	.432	.425	.428	.389	.389	.389	.317
COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.424	.424	.364
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.424	.424	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.424	.424	.364

MEAN/A	1.235	1.549	1.743	1.851	1.961	2.099	2.306	2.570	3.018	3.297	4.044	5.861	1.0000	
PER/A/4	1.984	2.596	2.97	3.16	3.267	3.273	3.861	4.197	4.870	5.527	6.235	.9221	1.4816	
PER25/A	2.504	3.180	3.509	3.778	3.960	4.455	4.711	5.059	5.557	6.417	6.895	.8250	1.2029	1.8411
PER50/A	2.667	3.400	4.064	4.255	4.465	4.663	5.059	5.557	6.417	6.895	7.501			
RP100/A	2.969	4.009	4.514	4.703	4.890	5.134	5.667	6.091	7.024	7.5				

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUM 0 HUNTINGTON LAKE 7020 15 085 25E R M 37°22' 119°27' 10

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	2.97	4.02	4.77	5.19	5.63	6.06	6.68	7.35	8.47	9.46	11.43	16.31	31.44
5	4.34	6.11	7.28	7.86	8.45	8.99	9.87	10.74	12.24	13.54	16.11	23.08	41.95
10	5.71	7.47	8.89	9.54	10.20	10.81	11.86	12.80	14.55	16.03	18.97	27.21	48.03
20	6.03	8.75	10.39	11.09	11.80	12.47	13.67	14.67	16.63	18.28	21.55	30.94	51.35
25	6.28	9.15	10.95	11.57	12.29	12.98	14.22	15.24	17.26	18.82	21.02	32.08	54.95
40	6.44	9.38	11.08	12.02	12.56	13.20	14.51	15.74	17.60	19.41	20.37	33.96	59.20
50	7.05	10.26	12.26	13.02	13.70	14.51	15.89	16.95	19.17	20.02	24.71	35.49	59.68
100	7.79	11.54	13.62	14.41	15.18	15.98	17.49	18.58	20.98	22.98	26.95	38.74	64.11
200	8.51	12.69	14.94	15.75	16.55	17.39	19.04	20.14	22.72	24.87	29.12	41.87	68.30
1000	10.12	15.28	17.92	18.77	19.57	20.55	22.47	23.61	26.54	29.05	33.90	48.78	77.38
10000	12.35	18.88	22.01	22.89	23.69	24.83	27.14	28.28	31.78	34.66	40.36	56.10	89.31
PMP	25.34	38.18	45.88	49.03	52.19	54.44	59.43	63.57	71.09	77.14	89.13	128.57	209.41

MEAN	1.238	4.460	5.259	5.668	6.086	6.532	7.194	7.838	9.016	10.051	12.110	17.293	32.416
CLOCK HR. COEF.	1.140	1.870	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.081	1.895	1.918	1.837	1.667	1.661	1.738	1.533	1.351	1.260	1.057	1.255	1.387
REGIONAL SKEW	1.100	1.200	1.100	1.000	*.900	.900	.800	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	*.900	.900	.800	.800	.800	.800	.800	.800	.500

KURTOSIS	8.555	6.909	7.308	7.343	6.902	6.549	7.029	6.340	5.520	4.785	4.473	5.424	5.688
N	57	57	57	57	57	57	57	57	57	57	57	57	57
RECORD YEAR	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	8.230	12.690	16.200	17.400	18.780	19.550	20.660	21.680	24.140	25.410	28.480	45.150	72.810
NORMALIZED MAX	1.284	3.406	3.646	3.897	3.944	3.985	3.606	3.557	3.544	3.312	3.152	3.658	3.624
CALC. COEF. VAR	.469	.542	.571	.540	.526	.516	.519	.497	.473	.463	.429	.440	.344
REGN. COEF. VAR	.445	.504	.515	.510	.505	.489	.484	.474	.459	.445	.426	.429	.384
USED COEF. VAR	.445	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384

MEAN/A	.0999	.1376	.1622	.1749	.1877	.2015	.2119	.2418	.2781	.3101	.3736	.5335	1.0000
RPL0/A	.1699	.2305	.2742	.2944	.3147	.3334	.3658	.3959	.4487	.5105	.5853	.8373	1.4816
RPL2/A	.1938	.2824	.3246	.3575	.3814	.4042	.4364	.4692	.5020	.5581	.6404	.7970	1.4553
RPS0/A	.1774	.2497	.2789	.3165	.3424	.3476	.3903	.5229	.5913	.6105	.7621	.1049	1.4411
RP10/A	.2402	.3564	.4201	.4444	.4681	.4929	.5394	.5731	.6172	.7090	.8135	1.1951	1.9776
RP100/A	.3123	.4715	.5527	.5789	.6038	.6339	.6933	.7282	.8202	.8957	1.0459	1.5048	2.3872
RP1000/A	.3910	.5823	.6789	.7601	.7309	.7666	.8373	.8723	.9805	1.0691	1.2450	1.7925	2.7550
RP/A	.7817	1.1778	1.4154	1.5126	1.6099	1.6795	1.8332	1.9409	2.1931	2.3798	2.7496	3.9663	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUM 0 BRENTWOOD 6 SW 325 32 01N 02E Q M 37°88' 121°77' 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	1.99	2.58	2.88	4.65	6.55	15.21
5	2.80	3.70	4.13	6.22	9.05	20.09
10	3.11	4.44	4.93	7.36	10.62	23.11
20	3.79	5.13	5.67	8.37	12.04	25.87
25	3.94	5.35	5.90	8.69	12.47	26.72
40	4.01	5.79	6.01	9.41	13.37	28.47
50	4.39	6.00	6.40	9.64	13.79	29.27
100	4.83	6.63	7.27	10.57	15.04	31.71
200	5.25	7.25	7.93	11.46	16.25	34.07
1000	6.20	8.65	9.40	13.46	18.95	39.31
10000	7.51	10.59	11.43	16.20	22.62	46.44
PMP	15.15	20.99	23.28	33.56	47.96	95.89

MEAN	2.151	2.817	3.125	4.764	6.496	16.001
CLOCK HR. COEF.	1.140	1.870	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.248	1.215	.901	.227	.022	.503
REGIONAL SKEW	1.100	1.200	1.100	1.000	*.900	.900
SKW USED	1.100	1.200	1.100	1.000	*.900	.900

KURTOSIS	5.146	4.012	3.474	2.238	1.902	2.391
N	23	23	23	23	23	23
RECORD YEAR	1967	1963	1963	1956	1969	1958
RECORD MAXIMUM	4.120	5.170	5.920	7.950	10.860	27.860
NORMALIZED MAX	2.120	1.890	2.147	1.859	1.538	2.035
CALC. COEF. VAR	.432	.442	.417	.360	.365	.344
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1344	.1761	.1953	.2977	.4367	1.0000
RPL0/A	.2070	.2776	.3079	.4585	.6635	1.4445
RPL2/A	.2463	.3341	.3636	.5220	.7807	1.6701
RPS0/A	.2744	.3749	.4123	.4487	.6815	1.8794
RP10/A	.3016	.4145	.4544	.6603	.9400	1.9918
RP100/A	.3975	.5406	.5877	.8413	1.1844	2.4568
RP1000/A	.4694	.6616	.7146	1.0124	1.4135	2.9020
RP/A	.9469	1.3117	1.4547	2.0973	2.9975	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB LOS MEDANOS TANK FARM 130 M 37°9'47" 121°8'55" 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	100	300	F YR
2	1.47	1.91	2.15	3.29	4.96	12.34
5	2.06	2.74	3.08	4.60	6.86	16.29
10	2.44	3.29	3.68	5.43	8.04	18.74
20	2.80	3.80	4.23	6.19	9.11	20.58
25	2.91	3.96	4.40	6.43	9.44	21.67
40	2.96	4.29	4.49	6.91	10.12	23.08
50	3.24	4.48	4.92	7.13	10.44	23.76
100	3.46	5.91	5.43	7.42	11.88	25.11
200	3.67	5.37	5.92	4.48	12.30	27.43
1000	4.57	6.40	7.02	9.96	14.34	31.88
10000	5.54	7.83	8.53	11.98	17.12	37.65
PMP	11.18	15.53	17.37	24.83	36.30	77.59

MEAN	1.587	2.085	2.331	3.526	5.265	12.975
CLOCK HRS COH.	1+140	1+170	1+040	1+010	1+010	1+000
CALCULATED SKEW	1+242	1+122	1+243	1+085	1+749	1+741
REGIONAL SKEW	1+100	1+200	1+100	1+000	+900	+900
SKEW USED	1+100	1+200	1+100	1+000	+900	+900

KURTOSIS	4+338	5+092	5+584	2+218	2+753	2+778
N	41	41	41	41	41	41
RECORD YEAR	1952	1963	1967	1952	1958	
RECORD MAXIMUM	3+030	4+520	5+360	5+970	6+890	21+100
NORMALIZED MAX	2+392	2+972	3+253	1+954	2+269	2+206
CALC. COEF. VAR	+180	+393	+399	+355	+387	+354
REGN. COEF. VAR	+433	+430	+430	+403	+393	+332
USED COEF. VAR	+403	+430	+430	+403	+393	+332

MEAN/A	+1223	+1607	+1797	+2716	+4058	1+0000
HP10/A	+1884	+2531	+2833	+4183	+6193	1+4445
HP25/A	+2241	+3n49	+3393	+4952	+7277	1+6701
HP50/A	+2497	+321	+3794	+5499	+8042	1+8794
RP10/A	+2744	+327	+4182	+6182	+8182	1+9118
RP100/A	+1549	+4933	+5248	+7676	+11056	2+4568
RP1000/A	+471	+637	+6757	+9237	+13194	2+9720
RPMP/A	+615	+1+1970	+1+3386	+1+4135	+2+1797	+5+9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB LOS MEDANOS RIMP 413 172 04 015 03E M M 37°8'58" 121°6'73" 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.47	1.92	2.13	2.26	2.47	2.60	2.87	3.16	3.68	4.03	4.61	6.80	11.71
5	2.06	2.75	3.05	3.21	3.49	3.74	4.02	4.39	5.10	5.58	6.35	9.37	15.27
10	2.44	3.30	3.65	3.81	4.12	4.42	4.74	5.13	5.97	6.52	7.41	10.94	17.33
20	2.80	3.81	4.20	4.36	4.69	5.03	5.39	5.81	6.76	7.37	8.37	12.30	19.43
25	2.91	3.97	4.37	4.53	4.87	5.22	5.59	6.02	7.00	7.64	8.66	12.80	19.68
40	2.96	4.30	4.45	4.88	5.23	5.61	6.00	6.44	7.49	8.17	9.28	13.69	20.77
50	3.24	4.46	4.88	5.04	5.40	5.78	6.19	6.64	7.72	8.42	9.54	14.10	21.28
100	3.48	4.93	5.28	5.58	5.91	6.13	6.76	7.23	8.40	9.16	10.39	15.33	22.58
200	3.68	5.49	5.82	6.22	6.40	6.65	7.32	7.62	8.79	9.61	10.78	15.20	22.20
1000	4.58	6.96	7.09	7.50	8.02	8.64	9.05	10.51	11.46	12.96	14.16	19.16	27.27
10000	5.55	7.87	8.46	8.55	9.98	9.60	10.24	10.74	12.48	13.59	15.35	22.71	31.31
PMP	11.19	15.59	17.23	17.85	1+25	2+055	2+186	2+351	2+731	2+971	3+50	4+954	7+000

MEAN	1.588	2.093	2.312	2.430	2.637	2.813	3.057	3.337	3.885	4.253	4.858	7.169	12.040
CLOCK HRS COH+	1+100	1+070	1+040	1+020	1+010	1+010	1+000	1+000	1+000	1+000	1+000	1+000	1+000
CALCULATED SKEW	1+314	+760	+733	+667	+578	+603	+766	+735	+663	+668	+836	+843	+937
REGIONAL SKEW	1+100	1+200	1+100	1+000	+900	+900	+800	+800	+800	+800	+800	+800	+500
SKEW USED	1+100	1+200	1+100	1+000	+900	+900	+800	+800	+800	+800	+800	+800	+500

KURTOSIS	4.696	3.275	2.951	2.663	2.373	2.549	3.114	3.297	2.725	2.534	3.206	7.918	2.799
N	36	48	57	57	37	37	37	37	37	37	37	37	38
RECORD YEAR	1952	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	3+070	4+240	4+690	5+600	5+220	5+730	6+520	6+571	7+710	8+120	10+130	14+220	22+240
NORMALIZED MAX	2.795	2+378	2+256	2+367	2+189	2+419	2+669	2+426	2+383	2+146	2+628	2+325	2+275
CALC. COEF. VAR	+407	+431	+456	+457	+448	+423	+424	+399	+413	+424	+413	+423	+372
REGN. COEF. VAR	+403	+430	+430	+423	+420	+417	+410	+403	+402	+399	+393	+394	+332
USED COEF. VAR	+403	+430	+430	+423	+420	+417	+410	+403	+402	+399	+393	+394	+332

MEAN/A	+1319	+1739	+1920	+2018	+2190	+2353	+2539	+2772	+3227	+3532	+4035	+5954	1+0000	
HP10/A	+2032	+2741	+3028	+3163	+3421	+3667	+3933	+4264	+4988	+5461	+6154	+6908	1+4393	
HP25/A	+2417	+3299	+3626	+3762	+4046	+4334	+4641	+4998	+5813	+6341	+7196	+1029	1+6342	
HP50/A	+2593	+3702	+4055	+4189	+4487	+4804	+5140	+5512	+6469	+6989	+7925	+1+7108	1+7672	
RP10/A	+2959	+4493	+4469	+4599	+4910	+5255	+5616	+6001	+6977	+7607	+8620	+1+2736	1+8917	
RP100/A	+3n03	+5334	+5779	+5887	+6226	+6659	+7108	+7512	+8733	+9514	+1+6768	+1+5918	+2+2652	
RP1000/A	+4686	+6532	+7027	+7164	+7459	+7975	+8564	+8916	+1+3684	+1+2866	+2+4673	+2+7882	+4+1141	+5+9800
RPMP/A	+9291	1+2957	1+4306	1+4624	1+5988	1+7072	1+8702	1+9155	1+9292	2+6484	2+74673			

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BMM	LATITUDE	LONGITUDE	DFD	COUNTY	CODE		
BSN	ORDER	SUB												
890	226	0	ANTIOCH	405	PR	17	02N	02E	P	M	38.013	121.771		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS	ID	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.87	2.13	2.28	2.45	2.59	2.87	3.17	3.62	4.05	4.76	6.79	12.22	
5	2.08	2.68	3.05	3.23	3.46	3.65	4.01	4.40	5.01	5.61	6.55	9.36	15.94	
10	2.46	3.22	3.64	3.83	4.09	4.31	4.73	5.16	5.87	6.56	7.65	10.93	18.08	
20	2.92	3.72	4.19	4.39	4.66	4.91	5.26	5.82	6.64	7.42	8.64	12.34	19.97	
50	3.23	4.02	4.40	4.60	4.86	5.10	5.40	5.80	6.82	7.86	9.04	12.48	20.53	
100	3.48	4.80	5.38	5.57	5.86	6.17	6.75	7.26	8.25	9.22	10.71	15.31	23.77	
200	3.90	5.25	5.88	6.05	6.35	6.69	7.31	7.83	8.90	9.94	11.55	16.50	25.25	
1000	4.60	6.26	6.96	7.13	7.43	7.82	8.54	9.08	10.33	11.53	13.39	19.13	28.46	
10000	5.58	7.66	8.46	8.61	8.91	9.37	10.29	10.74	12.26	13.67	15.85	22.67	39.68	
PPM	11.25	15.20	17.22	17.96	19.09	20.46	21.81	23.61	26.84	29.90	34.58	49.46	75.14	

MEAN	1.597	2.040	2.311	2.445	2.615	2.765	3.051	3.351	3.818	4.280	5.016	7.158	12.565	
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.890	1.869	2.067	1.971	1.718	1.500	1.046	.764	.676	.980	.852	.677	.680	
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500	
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500	
KURTOSIS	7.614	7.685	9.234	8.547	7.062	6.067	4.521	3.285	3.274	5.360	3.762	2.990	3.387	
N	75	72	72	69	69	69	69	69	69	69	72	69	75	
RECORD YEAR	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1958	
RECORD MAXIMUM	3,880	5,380	6,590	6,590	6,590	6,590	6,590	6,750	7,040	8,180	10,950	11,660	14,520	25,530
NORMALIZED MAX	3,222	3,745	4,181	3,906	3,725	3,546	3,299	2,871	3,173	3,940	3,277	2,610	3,094	
CALC. COEF. VAR.	4.44	4.45	4.03	4.24	4.69	3.96	3.71	3.85	3.72	3.94	4.04	3.93	3.93	
REGN. COEF. VAR.	4.43	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.32	
USED COEF. VAR	4.43	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.32	
MEAN/A	.1271	.1623	.1839	.1964	.2081	.2200	.2282	.2667	.3038	.3446	.3992	.5696	1.0000	
PPM/A	.1958	.2559	.2910	.3049	.3249	.3747	.4144	.4641	.5223	.5867	.6494	.8646	1.3939	
PP50/A	.2391	.3470	.3767	.4145	.4425	.4942	.5404	.5913	.6415	.7119	.7810	.9179	1.4742	
PP50/A	.2595	.3457	.3883	.4038	.4265	.4492	.4915	.5304	.6035	.6740	.7480	.8120	1.7672	
RP100/A	.2452	.3802	.4280	.4434	.4666	.4914	.5372	.5775	.6570	.7395	.8527	.9218	1.8917	
RP1000/A	.3665	.4985	.5535	.5676	.5916	.6226	.6797	.7229	.8223	.9175	.9651	1.5222	2.6562	
RP10000/A	.4439	.6100	.6730	.6849	.7088	.7457	.8132	.8580	.9758	1.0843	1.2622	1.8043	2.6007	
PPM/A	.8954	1.2694	1.3702	1.4293	1.5192	1.5963	1.7361	1.8791	2.1360	2.3793	2.7524	3.9362	5.9800	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BMM	LATITUDE	LONGITUDE	DFD	COUNTY	CODE		
BSN	ORDER	SUB												
890	1784	0	CLARKSBURG	1A	34	07N	04E	F	M	38.417	121.533	57		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS	ID	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.79	2.45	2.84	3.11	3.39	3.61	4.01	4.35	5.02	5.44	6.50	9.58	16.82	
5	2.51	3.52	4.07	4.42	4.78	5.08	5.61	6.04	6.97	7.53	8.95	13.21	21.94	
10	2.97	4.22	4.86	5.24	5.65	5.99	6.61	7.07	8.16	8.81	10.45	15.43	24.89	
20	3.40	4.87	5.59	6.00	6.44	6.83	7.52	8.01	9.23	9.96	11.81	17.43	27.48	
25	3.54	5.08	5.82	6.24	6.64	7.08	7.60	8.29	9.56	10.31	12.21	17.80	26.26	
30	3.60	5.10	5.83	6.17	6.74	7.18	7.83	8.51	9.77	10.57	12.47	17.99	27.29	
50	2.94	5.70	6.51	6.92	7.41	7.85	8.34	9.14	10.54	11.37	13.46	19.87	30.56	
100	4.33	6.30	7.17	7.62	8.11	8.59	9.44	9.96	11.47	12.37	14.64	21.62	32.72	
200	4.71	6.89	7.82	8.28	8.78	9.30	10.22	10.74	12.37	13.34	15.77	23.30	34.76	
1000	5.56	8.22	9.27	9.76	10.28	10.89	11.94	12.46	14.36	15.47	18.28	27.01	39.18	
10000	6.74	10.00	11.28	11.78	12.32	13.44	14.29	14.79	17.04	18.36	21.67	32.01	44.98	
PPM	13.50	19.94	22.96	24.58	26.40	27.91	30.51	32.39	37.29	40.13	47.25	69.83	103.43	
MEAN	1.929	2.676	3.082	3.346	3.617	3.847	4.267	4.598	5.305	5.745	6.853	10.106	17.295	
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.370	.053	.120	.299	.256	.346	.1094	.909	.633	.541	.791	.246	.580	
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500	
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.500	
KURTOSIS	2.056	2.184	2.189	2.568	2.797	2.884	5.618	5.072	3.130	3.126	4.212	2.900	3.099	
N	22	22	22	22	22	22	22	22	22	22	22	22	22	
RECORD YEAR	1937	1936	1943	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941	
RECORD MAXIMUM	2,750	3,650	4,690	5,920	6,570	7,150	9,490	9,960	10,440	10,720	12,820	17,070	28,410	
NORMALIZED MAX	1,422	1,335	1,577	2,058	2,236	2,248	2,979	2,861	2,362	2,294	2,405	1,939	2,237	
CALC. COEF. VAR.	.299	.472	.331	.374	.365	.382	.411	.408	.410	.378	.393	.355	.287	
REGN. COEF. VAR.	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.364	.332	
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.364	.332	
MEAN/A	.1115	.1547	.1782	.1935	.2091	.2224	.2467	.2659	.3067	.3322	.3962	.5843	1.0000	
PPM/A	.1710	.2439	.2869	.3032	.3247	.3424	.3821	.4170	.4715	.5293	.6044	.8297	1.4373	
PP50/A	.2244	.3277	.3500	.3500	.3500	.3500	.4064	.4170	.4740	.5523	.5933	.6104	1.0432	
PP50/A	.2277	.3295	.3762	.4015	.4285	.4541	.4994	.5287	.5902	.6733	.7782	1.1490	1.7672	
RP100/A	.2563	.3643	.4174	.4408	.4689	.4967	.5458	.5756	.6632	.7153	.8464	1.2499	1.8917	
RP1000/A	.3216	.4751	.5302	.5643	.5945	.6294	.6905	.7206	.8301	.8947	1.0572	1.5614	2.2652	
RP10000/A	.3496	.5815	.6520	.6810	.7123	.7534	.8262	.8553	.9851	1.0163	1.2529	1.8506	2.6007	
PPM/A	.7858	1.1529	1.3274	1.4210	1.5265	1.6134	1.7639	1.8730	2.1563	2.3202	2.7322	4.0374	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 890 4251 1 DIXON 79 23 07N 01F M 38°44' 121°82' 48

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	F YR
2	1.98	2.52	2.87	3.21	3.55	3.79	4.11	4.39	4.99	5.17	6.44	16.10
5	2.77	3.61	4.11	4.56	5.01	5.24	5.76	6.09	6.92	7.44	8.68	21.20
10	3.29	4.33	4.91	5.41	5.92	6.18	6.78	7.13	8.10	8.70	10.37	24.31
20	3.76	5.01	5.65	6.19	6.74	7.04	7.71	8.07	9.17	9.84	11.71	27.12
25	3.98	5.24	5.86	6.40	6.98	7.30	7.94	8.35	9.42	10.18	12.19	29.98
40	3.98	5.45	5.99	6.93	7.02	7.85	8.59	8.74	10.16	12.96	19.4	50.55
50	4.35	5.85	6.57	7.17	7.76	8.10	8.86	9.21	10.47	11.72	13.35	30.55
100	4.79	6.47	7.25	7.87	8.49	8.86	9.59	10.03	11.40	12.22	14.52	33.00
200	5.21	7.08	7.90	8.55	9.20	9.59	10.48	11.82	12.24	13.17	15.65	35.36
1000	6.15	8.44	9.37	10.07	10.77	11.22	12.25	12.56	14.26	15.28	18.13	40.57
10000	7.45	10.33	11.40	12.15	12.90	13.44	14.66	14.93	16.93	18.12	21.49	47.59
PMP	15.02	20.48	23.20	25.36	27.65	28.78	31.29	32.64	37.05	39.62	46.87	100.69

MEAN	2.133	2.749	3.114	3.453	3.787	3.967	4.376	4.633	5.270	5.672	6.797	16.838
CLOCK HR. COR.	1.140	1.670	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	.766	1.177	1.430	1.319	1.719	1.718	1.434	1.633	1.134	1.066	.990	1.009
REGIONAL SKEW	1.110	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800

KURTOSIS	3.416	4.555	5.554	5.016	7.408	7.615	6.421	7.363	4.481	4.284	4.280	4.315
N	.41	.40	.41	.40	.40	.40	.40	.40	.40	.40	.40	.41
RECORD YEAR	1956	1956	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAX	3.650	5.810	7.050	7.520	9.560	10.340	10.660	12.140	12.550	13.050	15.100	35.300
NORMALIZED MAX	2.800	2.200	3.410	2.810	3.600	3.105	3.533	3.133	3.133	3.000	2.991	3.036
CALC. COEF. VAR	.35	.404	.418	.421	.427	.404	.404	.434	.445	.422	.409	.341
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.332

MEAN/A	+1267	+1632	+1849	+2050	+2249	+2356	+2599	+2751	+3130	+3369	+4037	+1.0000
W10/A	+175	+200	+209	+322	+342	+346	+426	+423	+418	+418	+617	+1.4437
RPM2/A	+271	+308	+342	+342	+454	+434	+476	+476	+500	+534	+668	+1.1717
RPM5/A	+2586	+3476	+3905	+4255	+4469	+4681	+5261	+5471	+6217	+6666	+7928	+1.0144
RPM10/A	+2842	+3863	+4304	+4672	+5043	+5261	+5750	+5957	+6768	+7255	+8623	+1.9598
RPM100/A	+3652	+5012	+5566	+5980	+6395	+6666	+7275	+7454	+8471	+9074	1.0770	+2.0491
RPM1000/A	+4423	+6133	+6768	+7217	+7661	+7983	+8704	+8851	+1.0052	+1.0763	+1.2764	+2.9264
RPM/A	+8973	+1.2161	+1.3777	+1.5060	+1.6420	+1.7091	+1.8583	+1.9384	+2.0000	+2.3531	+2.7833	+5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 890 7446 0 RIO VISTA 419 20 31 04N 03E F M 38°14' 121°60' 48

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	600	3650
2	1.80	2.28	2.58	2.77	3.06	3.24	3.57	3.92	4.60	5.07	5.97	8.58	15.98
5	2.52	3.28	3.69	3.93	4.32	4.55	5.00	5.45	6.38	7.02	8.22	11.83	20.85
10	2.99	3.93	4.40	4.66	5.10	5.37	5.89	6.38	7.47	8.21	9.60	13.81	23.66
20	3.42	4.54	5.07	5.34	5.81	6.12	6.70	7.28	8.24	9.20	10.44	15.24	26.16
25	3.55	4.60	5.17	5.57	6.03	6.35	6.95	7.44	8.00	9.37	10.28	12.00	21.22
40	3.62	4.72	5.27	5.68	6.18	6.54	7.04	7.70	8.24	9.65	10.59	12.36	21.86
50	3.62	4.76	5.27	5.70	6.18	6.54	7.04	7.50	8.24	9.65	10.59	12.36	21.86
100	3.96	5.00	5.89	6.18	6.68	7.04	7.70	8.24	9.65	10.59	11.52	13.45	21.05
200	4.35	5.87	6.50	6.78	7.31	7.70	8.41	9.10	10.51	11.52	13.45	19.35	31.09
1000	5.69	7.65	8.40	9.27	10.00	9.74	10.64	11.23	12.15	13.15	14.41	16.79	24.18
10000	6.77	9.36	10.22	10.48	11.11	11.69	12.73	13.33	15.60	16.70	19.90	26.66	42.75
PMP	13.67	18.56	20.80	21.87	23.81	25.21	27.18	29.14	34.16	37.38	43.40	62.51	90.29

MEAN	1.940	2.491	2.792	2.977	3.262	3.448	3.802	4.144	4.859	5.352	6.294	9.047	16.436
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.568	1.138	.958	.739	.907	.841	.714	.786	.840	.880	.880	.880	.500
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.800	.500

KURTOSIS	2.642	4.527	4.115	3.548	3.889	3.907	3.809	2.886	2.872	3.711	4.124	3.726	2.132
N	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73
RECORD YEAR	1914	1963	1963	1932	1932	1932	1932	1938	1938	1911	1911	1911	1941
RECORD MAX	2.870	5.010	5.910	6.000	6.760	7.020	7.940	8.050	9.050	11.240	13.40	15.510	27.000
NORMALIZED MAX	1.457	2.979	3.191	2.473	3.049	3.102	3.265	2.856	2.116	3.374	2.921	3.222	2.162
CALC. COEF. VAR	.379	.337	.320	.320	.334	.334	.335	.333	.357	.357	.385	.385	.307
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	+110	+1516	+1678	+1811	+1945	+2098	+2318	+2521	+2595	+2726	+2929	+5504	+1.0000
RPM4/A	+118	+236	+2678	+2838	+3071	+3207	+3547	+3864	+4228	+4546	+5325	+5885	+8.02
RPM5/A	+123	+327	+3587	+3759	+4067	+4284	+4682	+5016	+5871	+6443	+7521	+1.0294	+1.4392
RPM10/A	+24.0	+327	+3587	+3759	+4067	+4284	+4682	+5016	+5871	+6443	+7521	+1.0294	+1.7672
RPM100/A	+2648	+3568	+3953	+4127	+4450	+4685	+5118	+5459	+6392	+7012	+8180	+1.1774	+1.8917
RPM1000/A	+3403	+4654	+5112	+5283	+5642	+5937	+6475	+6834	+8000	+8770	+1.0217	+1.4708	+2.2562
RPM10000/A	+4122	+5695	+6216	+6375	+6760	+7110	+7747	+8111	+9494	+1.0403	+1.2100	+1.7404	+2.6007
RPM/A	+314	+1.292	+1.2655	+1.3303	+1.4488	+1.5221	+1.6530	+1.7762	+2.0783	+2.2743	+2.6403	+3.6033	+5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
890 4996 1 TRACY SP CO 64 28 025 05E M 37°7'33" 121°4'25" 39

## MAXIMUM PRECIPITATION FOR INDICATED DURATION L=DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION L=DAYS H=HOURS											
	10	20	30	40	50	60	80	100	150	300	600	F YR
2	1.14	1.35	1.53	1.63	1.76	1.84	2.03	2.22	2.59	3.33	4.88	9.02
5	1.59	1.94	2.14	2.32	2.48	2.60	2.84	3.04	3.60	4.59	6.74	11.88
10	1.89	2.33	2.61	2.75	2.93	3.06	3.35	3.61	4.21	5.35	7.87	13.62
20	2.16	2.69	3.00	3.15	3.34	3.49	3.81	4.08	4.76	5.05	8.89	15.19
25	2.25	2.88	3.12	3.27	3.47	3.62	3.95	4.23	4.93	5.26	9.20	15.68
40	2.29	3.03	3.18	3.52	3.72	3.89	4.24	4.53	5.28	5.69	9.84	16.66
50	2.50	3.14	3.49	3.64	3.86	4.01	4.37	4.66	5.44	6.90	10.18	17.12
100	2.75	3.47	3.85	4.10	4.21	4.39	4.78	5.09	5.82	7.51	11.92	19.49
200	2.99	4.20	4.34	4.56	4.75	5.17	5.48	6.39	8.08	11.88	19.81	
1000	3.53	4.53	4.98	5.12	5.33	5.56	6.05	6.36	7.41	9.37	13.77	22.73
10000	4.28	5.54	6.05	6.17	6.39	6.66	7.23	7.54	8.80	11.10	16.32	26.66
PMP	8.63	10.99	12.32	12.88	13.69	14.26	15.44	16.52	19.25	24.21	35.61	56.42

MEAN	1.225	1.476	1.653	1.754	1.876	2.160	2.345	2.739	3.511	5.153	9.434
CLOCK HR/COR.	1.140	1.070	1.050	1.040	1.030	1.020	1.010	1.010	1.000	1.000	1.000
RECORD MAXIMUM	2.997	1.955	1.280	.996	.594	.589	.545	.705	.496	.454	.350
NORMALIZED MAX	4.600	4.310	3.646	3.92	2.835	2.554	2.652	2.982	2.989	2.262	2.156
CALC. COEF. VAR	.413	.365	.361	.360	.367	.371	.367	.380	.336	.345	.310
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.394

KURTOSIS	17.509	10.446	5.832	4.177	3.015	2.772	2.857	3.500	3.194	2.648	2.468
N	64	64	64	64	64	64	64	64	64	64	64
RECORD YEAR	1919	1919	1919	1919	1919	1919	1967	1962	1916	1956	1907
RECORD MAXIMUM	3.550	3.800	3.830	3.830	3.830	3.830	4.260	5.000	6.490	6.250	9.000
CALC. COEF. VAR	.413	.365	.361	.360	.367	.371	.367	.380	.336	.345	.310
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.394

MEAN/A	.1299	.1564	.1753	.1859	.1988	.203	.2289	.2486	.2903	.3721	.5462	
RP10/A	.0000	.2466	.2763	.2913	.3107	.3247	.3546	.3824	.4463	.5676	.8338	
RP25/A	.2380	.2968	.3309	.3466	.3674	.3837	.4184	.4482	.5229	.6636	.9751	
RP50/A	.2651	.3330	.3701	.3858	.4075	.4256	.4634	.4943	.5766	.7309	1.0741	
RP100/A	.2914	.4024	.4490	.4740	.5000	.5245	.5615	.5974	.7074	.8774	1.2498	
RP1000/A	.3744	.4802	.5275	.5423	.5653	.5994	.6408	.6737	.7857	.9299	1.5596	
RP10000/A	.4555	.5877	.6194	.6544	.6773	.7071	.7667	.7996	.9323	1.1767	1.7301	
PMP/A	.9169	1.1653	1.3057	1.3656	1.4515	1.5116	1.6369	1.7511	2.009	2.5659	3.7743	5.9800

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
890 4996 0 TRACY CARBONA 139 137 10 035 05E D M 37°6'49" 121°4'14" 39

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 890 4996 0	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE
	TRACY CARBONA	139	137	10	035	05E	D	M	37°6'49"	121°4'14"	39

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	
2	1.14	1.33	1.44	1.50	1.63	1.77	1.89	2.04	2.38	2.68	3.16	4.93	9.22
5	1.60	1.91	2.06	2.13	2.30	2.49	2.64	2.84	3.30	3.70	4.35	6.79	12.02
10	1.89	2.29	2.46	2.53	2.72	2.93	3.11	3.32	3.89	4.33	5.08	7.93	13.64
20	2.17	2.65	2.83	2.90	3.10	3.34	3.54	3.76	4.37	4.90	5.73	8.96	15.06
25	2.25	2.76	2.94	3.01	3.22	3.47	3.67	3.89	4.52	5.07	5.93	9.28	15.49
40	2.29	2.99	3.00	3.24	3.46	3.72	3.94	4.17	4.84	5.43	6.35	10.36	
50	2.51	3.09	3.29	3.35	3.57	3.84	4.07	4.29	4.98	5.59	6.50	10.22	16.75
70	2.76	3.42	3.53	3.68	3.90	4.20	4.44	4.77	5.33	6.09	7.11	11.42	19.93
100	2.76	3.42	3.53	3.68	3.90	4.20	4.44	4.77	5.33	6.09	6.66	7.66	11.98
200	3.00	3.74	3.96	4.00	4.23	4.41	5.04	5.65	6.55	7.26	8.00	11.95	
1000	3.54	4.46	4.69	4.71	4.95	5.33	5.62	5.85	6.79	7.61	8.88	13.89	21.47
10000	4.29	5.46	5.71	5.68	5.93	6.38	6.73	6.95	8.06	9.02	10.52	16.46	24.65
PMP	8.66	10.83	11.62	11.86	12.71	13.66	14.36	15.21	17.65	19.73	22.95	35.92	56.69

MEAN/A	1.229	1.453	1.559	1.615	1.742	1.882	2.009	2.159	2.511	2.825	3.328	5.198	9.480
CLOCK HR/COR.	1.140	1.071	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
RECORD MAXIMUM	1.403	.736	.603	.574	.709	.672	.890	.890	.570	.458	.492	.253	.471
NORMALIZED MAX	1.100	1.200	1.100	1.000	.900	.900	.900	.800	.800	.800	.800	.500	
CALC. COEF. VAR	.407	.363	.367	.361	.355	.324	.347	.341	.337	.322	.331	.307	.307
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394

KURTOSIS	5.229	3.173	2.616	2.617	2.850	3.062	4.023	4.765	3.400	3.865	3.349	3.055	3.307
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1969	1968	1938	1968	1971	1971	1971	1962	1962	1958	1958	1958	1958
RECORD MAXIMUM	2.490	2.490	2.670	2.760	3.270	3.320	3.960	4.110	4.890	5.230	5.880	8.900	16.370
NORMALIZED MAX	2.520	1.962	1.941	1.965	2.473	2.358	2.799	3.058	2.809	2.642	2.317	2.317	2.367
CALC. COEF. VAR	.407	.363	.367	.361	.355	.324	.347	.341	.337	.322	.331	.307	.307
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394

MEAN/A	.1299	.1533	.1645	.1704	.1837	.1986	.2119	.2277	.2649	.2940	.3511	.5483	1.0000
RP10/A	.997	.2417	.2594	.2670	.2870	.3094	.3282	.3504	.4071	.4569	.5355	.8370	1.4393
RP25/A	.2376	.2900	.3106	.3176	.3395	.3657	.3872	.4107	.4771	.5349	.6261	.9780	1.6342
RP50/A	.2647	.3265	.3474	.3536	.3765	.4054	.4289	.4529	.5262	.5896	.6780	1.0782	1.7700
RP100/A	.2903	.3740	.3930	.3912	.4119	.4324	.4548	.4827	.5577	.6329	.7168	.8026	1.2497
RP1000/A	.3748	.4707	.4951	.5099	.5223	.5549	.5931	.6173	.6916	.7657	.8500	.9443	.2652
RP10000/A	.4528	.5761	.6020	.6097	.6258	.6729	.7094	.7326	.8056	.8920	1.1101	1.7368	2.4007
PMP/A	.9134	1.1422	1.2256	1.2514	1.3412	1.4440	1.5150	1.6044	1.6862	2.0813	2.4207	3.7889	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT REPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB UNION ISLAND -6 14 015 04E M M 37°8'41" 121°51'39"

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS M=HOURS

RETURN PERIOD IN YEARS	1D	20	30	70	300	F YR
2	1.35	1.70	1.88	2.49	4.22	11.59
5	1.49	2.44	2.69	3.50	5.04	15.30
10	2.24	2.92	3.21	4.14	6.85	17.61
20	2.57	3.38	3.70	4.73	7.76	19.71
25	2.67	3.52	3.85	4.91	8.04	20.36
40	2.72	3.81	3.92	5.28	8.62	21.69
50	2.97	3.95	4.31	5.46	8.89	22.30
100	3.27	4.37	4.75	5.99	9.70	24.16
200	3.56	4.77	5.11	7.50	10.49	25.98
1000	4.46	5.69	6.14	7.81	12.22	29.98
10000	5.09	6.97	7.46	9.20	14.58	35.38
PMP	10.27	13.82	15.19	19.11	30.93	72.90

MEAN	1.457	1.655	2.039	2.673	4.485	17.191
CLOCK HR. COR.	1.140	1.070	1.050	1.020	1.140	1.000
CALCULATED SKEW	.421	.403	.240	.465	.503	.417
REGIONAL SKEW	1.100	1.200	1.100	1.000	1.000	.900
SKEW USED	1.100	1.200	1.100	1.000	1.000	.900

KURTOSIS	3.397	2.744	2.020	3.016	2.766	7.014
RECORD YR.	27	1967	6	1967	7	24
RECORD YR. COEF.	1.93	1.963	1.963	1.963	1.962	1.963
RECORD MAXIMUM	2.600	3.260	3.260	4.720	6.900	22.050
NORMALIZED MAX	1.972	2.071	1.609	2.131	1.459	2.315
CALC. COEF. VAR	.398	.366	.372	.359	.369	.349
REGN. COEF. VAR	.403	.430	.430	.410	.393	.332
USED COEF. VAR	.403	.430	.430	.410	.393	.332

MEAN/A	.1195	.1521	.1673	.2192	.3679	1.0000
RP10/A	.1841	.2398	.2637	.3397	.5615	1.4445
RP25/A	.2190	.2887	.3158	.4029	.6599	1.6701
RP50/A	.2440	.3239	.3532	.4477	.7291	1.8294
RP100/A	.2682	.3882	.3892	.4909	.7955	1.9818
RP1000/A	.3446	.4671	.5034	.6265	1.0024	2.4564
RP10000/A	.4174	.5716	.6121	.7547	1.1963	2.9020
PHPY/A	.8470	1.1334	1.2460	1.5676	2.5368	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB BAKERSFIELD 494 02 295 27F 0 M 35°42' 119°04' 15'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	.90	1.04	1.12	1.19	1.24	1.29	1.37	1.48	1.71	1.91	2.26	3.04	5.69
5	1.24	1.48	1.61	1.72	1.80	1.87	1.99	2.13	2.51	2.77	3.19	4.33	7.83
10	1.71	1.94	2.04	2.18	2.26	2.32	2.46	2.66	3.04	3.34	3.79	5.18	7.17
20	1.68	2.05	2.26	2.42	2.54	2.64	2.82	3.06	3.56	3.88	4.35	5.98	10.42
25	1.75	2.14	2.36	2.53	2.66	2.76	2.95	3.09	3.73	4.05	4.52	6.23	10.80
40	1.88	2.33	2.56	2.76	2.89	3.01	3.21	3.45	4.06	4.40	4.60	6.74	11.59
50	1.95	2.41	2.66	2.86	3.00	3.12	3.34	3.48	4.22	4.57	5.04	6.98	11.95
100	2.15	2.68	2.96	3.19	3.34	3.47	3.72	3.86	4.71	5.07	5.55	7.71	13.07
200	2.34	2.94	3.25	3.58	3.68	3.82	4.09	4.23	5.18	5.61	6.42	8.15	14.56
1000	2.9	3.53	3.92	4.36	4.64	4.94	5.07	5.67	6.58	7.14	8.67	12.27	19.86
10000	3.14	4.85	5.24	5.51	5.77	6.13	6.24	7.78	8.24	8.67	10.00	14.56	24.78
PMP	6.46	8.17	9.13	9.89	10.39	10.81	11.59	12.04	14.75	15.97	17.54	24.27	40.78

MEAN/A	.973	1.147	1.238	1.316	1.379	1.430	1.522	1.626	1.903	2.105	2.438	3.311	6.073
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.348	1.684	1.551	1.617	1.601	1.645	1.303	1.213	1.406	1.499	1.117	1.54	.888
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000

KURTOSIS	6.017	8.213	8.534	7.896	9.029	8.283	6.428	5.599	6.302	4.947	4.950	3.715	3.257
RECORD YR.	59	1951	1938	1936	1959	1958	1948	1934	1938	1938	1938	1938	1931
RECORD MAXIMUM	2.400	2.980	3.320	3.450	3.960	3.960	3.980	4.07	4.840	4.950	5.690	7.140	11.610
NORMALIZED MAX	2.485	3.900	4.177	4.159	4.424	4.320	4.042	3.769	3.782	3.420	3.521	3.107	2.626
CALC. COEF. VAR	.365	.410	.403	.420	.423	.409	.400	.399	.408	.395	.379	.347	.381
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1603	.1889	.2038	.2168	.2270	.2355	.2505	.2677	.3134	.3466	.4015	.5451	1.0000
RP10/A	.2410	.2919	.3196	.3425	.3593	.3731	.3982	.4208	.5019	.5564	.6238	.6835	1.4510
RP25/A	.2874	.3529	.3801	.4169	.4376	.4545	.4856	.5088	.6135	.6675	.7440	.1.0254	1.7783
RP50/A	.3210	.3975	.4382	.4713	.4948	.5140	.5495	.5726	.6956	.7524	.8301	1.1493	1.9685
RP100/A	.3528	.4411	.4872	.5245	.5568	.5722	.6120	.6349	.7748	.8353	.9133	1.2696	2.1516
RP1000/A	.4590	.5816	.6452	.6961	.7313	.7599	.8135	.8433	1.0320	1.1007	1.1764	1.6528	2.7264
RP10000/A	.5665	.7182	.7986	.8621	.9066	.9422	1.0092	1.1268	1.2819	1.3570	1.4270	2.0203	3.2696
PHPY/A	1.0643	1.3451	1.5032	1.6278	1.7116	1.7793	1.9079	1.9882	2.4249	2.6292	2.8886	3.5998	6.7150

PEARSON TYPE III DISTRIBUTION USFO  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. PSN ORDER SUB C00 1851 0	STATION NAME CLOVIS	ELEV 375	SEC 33	TWP 125	RNG 21E	LATITUDE N 36°8'33"	LONGITUDE W 119°7'00"	COUNTY CODE 10
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.63	1.80	1.94	2.13	2.27	2.52	2.77	3.21	3.50	4.41	6.27	11.92
5	1.79	2.31	2.59	2.81	3.09	3.29	3.66	3.98	4.71	5.07	6.23	8.95	16.84
10	2.12	2.74	3.12	3.40	3.74	3.97	4.44	4.79	5.27	6.12	7.44	10.71	18.57
20	2.43	3.12	3.53	3.86	4.25	4.65	5.18	5.55	6.69	7.82	8.64	12.45	21.48
25	2.52	3.36	3.79	4.14	4.56	4.98	5.42	5.79	7.00	7.43	8.83	12.86	21.95
40	2.72	3.65	4.13	4.51	4.96	5.29	5.90	6.28	7.63	8.07	9.00	13.92	23.45
50	2.82	3.78	4.28	4.68	5.15	5.49	6.13	6.51	7.93	8.37	9.85	14.42	24.19
100	3.11	4.20	4.76	5.21	5.73	6.12	6.83	7.22	8.84	9.29	10.84	15.93	24.44
200	3.39	4.60	5.23	5.73	6.31	6.73	7.51	7.91	9.73	10.20	11.80	17.40	29.63
1000	4.63	5.53	6.31	6.91	7.61	8.12	9.07	9.49	11.77	12.25	13.96	20.73	33.51
10000	4.92	6.83	7.81	8.57	9.44	10.07	11.26	11.68	14.62	15.10	16.94	25.34	46.18
PHP	9.35	12.79	14.69	16.17	17.82	19.02	21.28	22.55	27.70	29.26	34.29	50.12	89.53

MEAN	1.498	1.797	1.992	2.153	2.363	2.518	2.795	3.045	3.575	3.857	4.766	6.838	12.290
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.498	.707	1.397	1.427	1.128	1.033	.968	.572	.653	.687	.998	1.337	.728
REGIONAL SKEW	1.370	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000

KURTOSIS	2.733	3.925	6.208	5.975	5.233	4.110	3.620	2.698	2.728	2.709	3.488	5.540	3.705
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1936	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938
RECORD MAXIMUM	2.110	3.60	4.170	4.450	4.600	4.890	5.080	5.670	6.170	7.430	9.000	16.20	23.40
NORMALIZED MAX	1.368	2.395	3.316	3.300	3.086	2.624	2.887	2.213	2.053	2.514	3.260	2.639	
CALC. COEF. VAR	.313	.335	.351	.344	.319	.343	.362	.377	.403	.416	.415	.438	.345
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	1.145	1.462	1.621	1.752	1.923	2.049	2.274	2.478	2.909	3.138	3.878	5.566	1.0000
RP10/A	1.792	2.259	2.942	2.768	3.044	3.245	3.614	3.894	4.653	4.983	6.025	.8711	1.4167
RP25/A	.2053	.2731	.3087	.3369	.3707	.3953	.4404	.4704	.5694	.6043	.7186	1.0465	.7783
RP50/A	.2294	.3076	.3485	.3808	.4192	.4471	.4987	.5299	.6450	.6812	.8017	1.1730	.9485
RP100/A	.2528	.3414	.3875	.4238	.4666	.4977	.5555	.5875	.7191	.7562	.8821	1.2958	2.1516
RP1000/A	.3279	.4502	.5131	.5625	.6195	.6610	.7383	.7720	.9578	.9966	1.1362	1.6869	2.7264
RP10000/A	.4005	.5588	.6352	.6971	.7680	.8196	.9160	.9502	1.1986	1.2286	1.3753	2.0620	3.2696
PHP/A	.7665	1.0410	1.1956	1.3154	1.4500	1.5477	1.7316	1.8347	2.2542	2.3805	2.7901	4.0782	6.7150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. PSN ORDER SUB C00 9346 0	STATION NAME DELAND	ELEV 323	SEC 11	TWP 255	RNG 25F	LATITUDE A 35°7'73"	LONGITUDE W 119°24'6"	COUNTY CODE 15
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	.97	1.16	1.28	1.35	1.43	1.55	1.63	1.76	1.95	2.12	2.55	3.54	7.00
5	1.34	1.65	1.85	1.95	2.08	2.25	2.38	2.53	2.86	3.08	3.61	5.06	9.62
10	1.59	1.98	2.23	2.37	2.52	2.72	2.88	3.05	3.48	3.71	4.29	6.05	11.27
20	1.92	2.21	2.52	2.64	2.81	3.17	3.37	3.53	4.11	4.41	5.22	7.67	15.70
25	1.99	2.26	2.57	2.88	3.07	3.37	3.52	3.68	4.25	4.50	5.11	7.26	13.27
40	2.05	2.46	2.94	3.13	3.34	3.61	3.83	4.00	4.64	4.89	5.21	7.86	14.24
50	2.12	2.70	3.05	3.25	3.47	3.75	3.98	4.14	4.82	5.07	5.70	8.14	14.69
100	2.33	2.99	3.39	3.62	3.86	4.17	4.43	4.59	5.37	5.63	6.28	8.99	16.06
200	2.55	3.29	3.73	3.98	4.24	4.59	4.84	5.04	5.91	6.18	6.83	9.83	17.39
1000	3.03	3.95	4.49	4.81	5.12	5.54	5.89	6.04	7.15	7.42	8.08	11.71	20.34
10000	3.70	4.88	5.56	5.96	6.35	6.87	7.31	7.43	8.84	9.15	9.81	14.31	24.40
PHP	7.02	9.13	10.47	11.24	11.99	12.97	13.82	14.35	16.83	17.73	19.85	28.31	50.11

MEAN/A	1.057	1.283	1.420	1.497	1.590	1.716	1.815	1.938	2.172	2.337	2.759	3.862	7.462
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.855	1.405	1.948	.907	.827	.964	1.209	.982	1.244	1.212	1.188	1.653	3.055
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000

KURTOSIS	3.413	4.854	3.258	3.081	2.915	3.394	4.559	3.904	4.908	4.486	3.978	6.048	14.488
N	32	32	32	32	32	32	32	32	32	32	32	32	31
RECORD YEAR	1969	1899	1992	1962	1969	1959	1969	1969	1969	1969	1969	1969	1971
RECORD MAXIMUM	2.170	2.780	2.916	2.808	3.047	4.334	4.334	4.315	5.030	5.100	5.100	5.100	28.0110
NORMALIZED MAX	1.962	2.606	2.119	2.058	2.343	3.073	3.015	2.812	2.632	2.708	2.517	3.039	4.342
CALC. COEF. VAR	.392	.448	.452	.446	.432	.461	.458	.443	.473	.470	.456	.457	.634
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	1.116	1.710	1.903	.2006	.2121	.2300	.2437	.2597	.2911	.3132	.3697	.5175	1.0000
RP10/A	.2130	.2656	.2984	.3170	.3373	.3644	.3665	.4082	.4462	.4973	.5744	.8103	1.5107
RP25/A	.2559	.3211	.3623	.3858	.4108	.4439	.4714	.4935	.5698	.6031	.6851	.9734	1.7783
RP50/A	.2837	.3616	.4091	.4361	.4645	.5020	.5333	.5554	.6455	.6798	.7644	1.0911	1.9695
RP100/A	.3127	.4013	.4548	.4854	.5171	.5588	.5940	.6157	.7196	.7547	.8410	1.2053	2.1516
RP1000/A	.4056	.5929	.6023	.6441	.6866	.7421	.7894	.8092	.9585	.9946	1.0833	1.5691	2.7264
RP10000/A	.4953	.6534	.7456	.7984	.8512	.9207	.9796	.9959	1.1906	1.2261	1.3140	1.9180	3.2696
PHP/A	.9405	1.2238	1.4033	1.5664	1.6070	1.7377	1.8519	1.9229	2.2559	2.3756	2.6599	3.7934	6.7150

PARTICLE SIZE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB COO	STATION NAME	ELEV	SEC	TWP	RNG	LOT	B.M.	LATITUDE	LONGITUDE	COUNTY CODE
3257 0	FHLNSH A P	331	30	135	PIE	J	M	36,770	119,717	10

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.22	1.50	1.62	1.71	1.82	1.93	2.04	2.30	2.63	2.93	3.55	4.98	9.13
5	1.68	2.13	2.33	2.44	2.64	2.80	3.03	3.31	3.86	4.25	5.01	7.11	17.54
10	1.99	2.56	2.81	3.00	3.20	3.49	3.68	3.97	4.69	5.13	5.95	8.50	14.71
20	2.29	2.96	3.27	3.50	3.73	3.95	4.29	4.61	5.48	5.96	6.83	9.80	16.69
25	2.38	3.09	3.41	3.65	3.89	4.12	4.44	4.81	5.73	6.22	7.10	10.21	17.31
40	2.57	3.27	3.71	3.98	4.24	4.49	4.84	5.22	6.25	6.76	7.23	11.05	18.57
50	2.66	3.40	3.85	4.11	4.40	4.64	5.07	5.50	6.59	7.01	7.92	11.44	19.52
100	2.93	3.86	4.28	4.60	4.90	5.20	5.65	6.07	7.24	7.78	8.71	12.64	20.94
200	3.19	4.24	4.71	5.05	5.39	5.71	6.22	6.57	7.97	8.54	9.48	13.81	22.67
1000	3.80	5.09	5.67	6.10	6.51	6.89	7.51	7.89	9.64	10.26	11.22	16.46	26.54
10000	6.64	6.29	7.02	7.56	8.07	8.55	9.32	9.71	11.97	12.45	13.61	20.12	31.83
PMP	8.80	11.78	13.22	14.26	15.23	16.14	17.62	18.73	22.68	24.50	27.56	39.79	65.37

MEAN	1.376	1.655	1.792	1.899	2.019	2.137	2.313	2.529	2.927	3.230	3.830	5.429	9.734
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.744	.928	1.010	1.126	1.255	1.235	1.565	1.571	1.553	1.388	1.110	1.480	1.417
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000

KURTOSIS	3.572	3.583	3.615	3.684	4.381	4.202	5.900	6.050	6.824	5.954	4.806	6.677	6.374
N	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88
RECORD YEAR	1905	1901	1956	1938	1956	1901	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2,380	3,180	3,630	4,050	4,200	4,610	6,110	6,510	8,250	8,510	9,040	14,960	23,060
NORMALIZED MAX	2,247	2,531	2,707	2,906	2,826	2,980	4,038	4,095	4,446	4,144	3,615	4,423	4,205
CALC. COEF. VAR	.354	.364	.379	.390	.382	.388	.406	.386	.407	.394	.376	.397	.326
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1362	.1700	.1841	.1951	.2075	.2195	.2376	.2598	.3007	.3318	.3934	.5577	1.0000
RP10/A	.7048	.2627	.2887	.3083	.3284	.3474	.3777	.4083	.4816	.5269	.6113	.8731	1.5107
RP25/A	.2442	.3175	.3505	.3753	.3999	.4246	.4606	.4937	.5486	.5967	.7291	1.0490	1.9460
RP50/A	.7576	.3519	.3957	.4242	.4522	.4911	.5215	.5555	.6468	.7033	.8344	1.2984	1.9852
RP100/A	.3607	.4265	.4440	.4522	.4722	.5014	.5324	.5614	.6134	.6706	.8050	1.2989	2.5156
RP1000/A	.3900	.5233	.5827	.6266	.6683	.7083	.7716	.8095	.9901	1.0537	1.1528	1.6908	2.7264
RP10000/A	.4763	.6662	.7213	.7766	.8285	.8783	.9573	.9964	1.2298	1.2991	1.3984	2.0666	3.2969
PPM/A	.9044	1.2102	1.3576	1.4654	1.5642	1.6583	1.8097	1.9238	2.3304	2.5169	2.8308	4.0878	6.7150

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB COO	STATION NAME	ELEV	SEC	TWP	RNG	LOT	B.M.	LATITUDE	LONGITUDE	COUNTY CODE
3747 0	HANFORD	242	26	185	PIE	P	M	36,329	119,665	16

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.28	1.40	1.51	1.59	1.67	1.80	1.92	2.23	2.43	2.91	4.01	7.36	
5	1.44	2.02	2.31	2.43	2.62	2.76	3.27	3.53	4.11	5.73	10.11		
10	1.71	2.17	2.43	2.64	2.79	2.94	3.18	3.32	3.98	4.26	4.88	6.85	11.88
20	1.96	2.52	2.83	3.08	3.25	3.43	3.71	3.85	4.65	4.95	5.60	7.90	11.46
25	2.04	2.63	2.96	3.21	3.40	3.58	3.84	4.01	4.86	5.16	5.83	13.96	
40	2.20	2.85	3.22	3.50	3.70	3.90	4.22	4.36	5.30	5.61	5.93	9.91	14.98
50	2.27	2.94	3.34	3.63	3.84	4.05	4.36	4.52	5.51	5.82	6.40	10.12	15.45
100	2.41	3.18	3.57	3.94	4.28	4.61	4.99	5.21	6.14	6.46	7.15	10.19	16.89
200	2.74	3.60	4.08	4.45	4.71	5.16	5.58	5.96	6.76	7.09	11.13	16.28	
1000	3.25	4.33	4.91	5.36	5.68	5.98	6.50	6.81	8.52	9.21	13.27	21.40	
10000	3.97	5.34	6.08	6.65	7.04	7.42	8.06	8.10	10.16	11.17	16.21	25.66	
PMP	7.54	10.01	11.45	12.54	13.30	14.01	15.23	15.64	19.25	20.35	22.62	32.07	52.71

MEAN	1.136	1.406	1.552	1.670	1.764	1.854	2.000	2.112	2.484	2.682	3.144	4.375	7.849
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.358	1.095	1.227	1.033	1.087	1.031	1.267	1.225	1.157	1.280	1.494	1.601	1.039
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000

KURTOSIS	5.799	4.293	4.663	3.979	4.079	4.011	4.913	4.922	5.130	5.266	6.061	6.522	4.509
N	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.64
RECORD YEAR	1900	1956	1956	1918	1918	1969	1969	1969	1969	1969	1918	1969	1969
RECORD MAXIMUM	2,160	2,930	3,480	3,740	3,890	3,910	4,670	4,950	6,270	6,610	7,730	11,800	17,350
NORMALIZED MAX	2,003	3,019	3,044	2,922	2,859	2,774	3,192	3,364	3,736	3,587	3,583	4,045	3,413
CALC. COEF. VAR	.322	.359	.408	.414	.422	.400	.418	.406	.408	.407	.420	.355	
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1447	.1791	.1978	.2128	.2247	.2363	.2549	.2691	.3164	.3417	.4005	.5577	1.0000
RP10/A	.2176	.2768	.3101	.3362	.3556	.3743	.4051	.4230	.5068	.5426	.6223	.8727	.5107
RP25/A	.2594	.3346	.3766	.4093	.4331	.4555	.4940	.5114	.6194	.6580	.7512	.9783	
RP50/A	.2909	.3749	.4252	.4749	.5274	.5761	.6500	.6756	.7765	.8178	.9186	.9861	.7468
RP100/A	.3194	.4195	.4749	.5274	.5552	.5761	.6226	.6581	.7823	.8285	.9111	.9893	.7115
RP1000/A	.4143	.5515	.6260	.6634	.7238	.7623	.8275	.8766	.1,0417	.1,0852	.1,1733	.1,6900	.2,1264
RP10000/A	.5060	.6810	.7749	.8470	.8974	.9452	1,0266	1,0922	1,2942	1,3379	1,4236		

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
C00 4534 0 KETTLEMAN CITY

ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
310 19 225 19E C M 35.993 119.945 16

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.96	1.21	1.32	1.37	1.44	1.55	1.62	1.72	1.90	2.07	2.50	3.38	5.68
5	1.33	1.72	1.90	1.98	2.09	2.26	2.35	2.48	2.79	3.00	3.54	4.83	7.81
10	1.57	2.07	2.29	2.40	2.53	2.73	2.85	2.98	3.39	3.62	4.20	5.77	9.15
20	1.86	2.31	2.56	2.79	2.95	3.19	3.33	3.45	3.96	4.21	4.82	6.64	10.39
25	1.88	2.36	2.61	2.78	2.92	3.13	3.26	3.39	3.90	4.14	4.39	5.01	6.94
40	2.02	2.71	3.02	3.18	3.36	3.52	3.79	3.91	4.52	4.77	5.51	7.71	11.66
50	2.19	2.81	3.13	3.30	3.48	3.76	3.94	4.05	4.69	4.95	5.59	7.78	11.93
100	2.31	3.12	3.49	3.67	3.88	4.19	4.38	4.49	5.23	5.50	6.15	8.59	17.04
200	2.52	3.43	3.83	4.04	4.27	4.61	4.82	4.92	5.76	6.03	6.70	9.37	14.11
1000	3.00	4.12	4.62	4.87	5.15	5.56	5.83	5.90	6.97	7.24	7.92	11.18	14.52
10000	3.66	5.08	5.71	6.04	6.39	6.90	7.23	7.26	8.65	8.93	9.61	13.67	19.81
PMP	6.95	9.52	10.75	11.40	12.06	13.03	13.67	14.02	16.39	17.30	19.46	27.03	40.68

MEAN	1.046	1.337	1.458	1.517	1.599	1.725	1.795	1.894	2.115	2.281	2.704	3.688	6.058
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.548	.661	1.011	.990	.968	1.465	1.598	1.407	1.628	1.566	1.575	2.033	1.721
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	2.457	3.044	3.424	3.207	3.216	5.476	6.280	5.506	6.679	5.950	5.988	7.955	6.515
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RFCORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	1.670	2.555	2.920	2.980	3.310	4.300	4.720	4.72	6.010	6.100	10.160	14.580	
NORMALIZED MAX	1.555	2.068	2.173	2.088	2.367	3.166	3.27	3.253	3.517	3.380	3.649	5.179	
CALC. COEF. VAR.	.385	.439	.461	.462	.452	.472	.466	.459	.523	.495	.467	.481	.462
REGN. COEF. VAR.	.376	.408	.425	.434	.436	.437	.441	.427	.454	.439	.413	.422	.381
USED COEF. VAR.	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

	.1772	.2207	.2407	.2504	.2639	.2847	.2963	.3126	.3492	.3764	.4664	.6087	1.0000
RP10/A	.2595	.3438	.3747	.3817	.4587	.4817	.4987	.4709	.4913	.5592	.5977	.6395	.9530
RP25/A	.3095	.4123	.4593	.4587	.5087	.5493	.5797	.5299	.5919	.6596	.6937	.7312	.1.5107
RP50/A	.3458	.4643	.5174	.5445	.5752	.6212	.6497	.6684	.7743	.8171	.9229	.1.2824	.0.95
RP100/A	.3811	.5153	.5753	.6060	.6403	.6916	.7236	.7411	.8632	.9071	.1.0154	.1.4177	.2.1516
RP1000/A	.4944	.6795	.7619	.8042	.8502	.9185	.9619	.9739	1.1497	1.1953	1.3079	1.8456	.2.7264
RP10000/A	.6037	.8391	.9431	.9968	1.0540	1.1389	1.1934	1.1987	1.4281	1.4737	1.5865	2.2559	.3.2696
PMP/A	1.1464	1.5715	1.7751	1.8809	1.9898	2.1507	2.2560	2.3145	2.7061	2.8552	3.2115	4.4619	.6.7150

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
C00 4536 0 KETTLEMAN STATION

ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
508 25 215 17E L M 36.075 120.045 16

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.03	1.28	1.40	1.48	1.54	1.60	1.72	1.86	2.14	2.24	2.69	3.63	6.23
5	1.42	1.82	2.01	2.14	2.23	2.32	2.50	2.67	3.13	3.25	3.79	5.18	8.56
10	1.68	2.18	2.42	2.59	2.70	2.81	3.03	3.22	3.81	3.92	4.51	6.19	10.03
20	1.93	2.53	2.82	3.01	3.15	3.27	3.54	3.73	4.45	4.55	5.17	7.14	11.39
25	2.00	2.63	2.94	3.15	3.29	3.42	3.70	3.89	4.66	4.75	5.38	7.44	11.81
40	2.16	2.86	3.20	3.43	3.63	3.82	4.09	4.22	5.00	5.14	5.74	8.05	12.97
50	2.24	2.97	3.30	3.56	3.72	3.92	4.19	4.39	5.20	5.36	6.00	8.14	14.38
100	2.47	3.29	3.69	3.96	4.15	4.30	4.66	4.85	5.88	5.95	6.60	9.21	14.29
200	2.69	3.61	4.06	4.36	4.56	4.74	5.13	5.32	6.48	6.53	7.19	10.06	15.47
1000	3.20	4.34	4.89	5.26	5.50	5.72	6.20	6.38	7.83	7.84	8.50	11.99	18.11
10000	3.91	5.36	6.05	6.52	6.82	7.09	7.69	7.85	9.73	9.65	10.31	14.65	21.72
PMP	7.42	10.04	11.39	12.29	12.88	13.38	14.53	15.15	18.44	18.72	20.88	28.98	46.60

	1.117	1.410	1.544	1.637	1.708	1.772	1.909	2.046	2.379	2.468	2.901	3.954	6.642
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.436	.304	.543	.769	.774	.913	1.065	.925	1.340	1.186	1.041	1.699	1.334
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	3.077	3.192	2.597	3.087	3.208	3.278	4.071	3.769	5.571	5.001	3.625	6.526	4.944
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD MAXIMUM	1956	1956	1962	1974	1974	1974	1969	1969	1969	1969	1969	1969	1969
CALC. COEF. VAR.	1.680	2.170	2.600	3.120	3.360	3.360	3.860	4.190	5.650	5.660	6.390	10.370	14.710
REGN. COEF. VAR.	1.379	1.579	1.670	2.077	2.150	2.139	2.437	2.425	2.857	2.748	2.437	3.019	2.457
USED COEF. VAR.	.365	.341	.410	.436	.450	.419	.420	.432	.481	.471	.493	.538	.494
REGN. COEF. VAR.	.376	.408	.425	.434	.436	.437	.441	.427	.454	.439	.413	.422	.381

	.1682	.2123	.2324	.2465	.2572	.2667	.2873	.3081	.3582	.3716	.4368	.5953	1.0000
RP10/A	.2592	.3281	.3645	.4071	.4225	.4567	.4843	.5736	.5900	.6788	.9320	.5107	
RP25/A	.3015	.3706	.4126	.4705	.5056	.5564	.5901	.7155	.8055	.1.1197	.1.7783		
RP50/A	.3398	.4467	.4997	.5559	.5821	.6265	.6589	.7955	.8935	.9033	.9261	.1.0695	
RP100/A	.3713	.4957	.5556	.5964	.6241	.6480	.7019	.7306	.8854	.9393	.9537	.1.0645	
RP1000/A	.4816	.6537	.7358	.7915	.8286	.8606	.9329	.9601	.1.1794	.1.1799	.1.2000	.1.8049	.2.7264
RP10000/A	.5881	.8072	.9108	.9810	1.0273	1.0670	1.1574	1.1817	1.4649	1.4546	1.5527	2.2052	.3.2696
PMP/A	1.1148	1.5117	1.7142	1.8510	1.9394	2.0150	2.1880	2.2816	2.7758	2.8184	3.1430	4.3635	.6.7150

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
C00 4957 0 LINDSAY 395 17 205 27E F M 36°19'0 114°07'2 54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.33	1.63	1.79	1.92	2.00	2.11	2.29	2.52	2.89	3.24	3.90	5.65	10.41
5	1.84	2.32	2.57	2.78	2.91	3.06	3.33	3.62	4.24	4.70	5.51	8.66	14.31
10	2.17	2.78	3.10	3.37	3.52	3.71	4.04	4.35	5.15	5.67	6.54	9.64	16.78
20	2.49	3.22	3.61	3.92	4.10	4.32	4.72	5.04	6.02	6.58	7.51	11.11	19.05
40	2.70	3.45	4.00	4.47	4.87	5.27	5.71	6.26	7.07	7.75	8.53	12.19	21.19
50	2.99	3.78	4.26	4.63	4.85	5.11	5.58	6.02	6.92	7.75	8.71	12.98	21.86
100	3.19	4.20	4.73	5.15	5.39	5.68	6.21	6.75	7.95	8.60	9.58	14.33	21.89
200	3.48	4.61	5.20	5.67	5.93	6.25	6.84	7.20	8.75	9.44	10.43	15.66	25.87
1000	4.14	5.54	6.26	6.84	7.16	7.55	8.26	8.63	10.59	11.33	12.34	18.66	31.28
10000	5.05	6.84	7.75	8.48	8.88	9.36	10.25	10.62	13.15	13.97	14.97	22.81	36.31
PMP	9.59	12.86	14.60	16.00	16.74	17.68	19.37	20.51	24.94	27.07	30.30	45.11	74.57

MEAN	1.445	1.798	1.979	2.130	2.223	2.340	2.543	2.769	3.215	3.569	4.211	4.154	11.105
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.243	1.676	1.334	1.378	1.329	1.226	1.190	1.264	1.253	1.090	1.007	1.132	1.848
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000

KURTOSIS	10.215	6.743	4.999	4.842	4.517	4.163	3.900	3.979	3.907	3.403	3.302	4.135	3.561
N	.67	.47	.47	.47	.47	.47	.47	.47	.47	.47	.47	.47	.47
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	3.570	4.570	4.700	5.380	5.510	5.510	5.740	6.180	7.360	7.770	8.840	14.430	22.890
NORMALIZED MAX	3.458	3.433	3.187	3.251	3.150	3.016	2.764	2.737	2.873	2.775	3.222	3.238	
CALC. COEF. VAR	.425	.449	.431	.467	.469	.449	.455	.450	.449	.424	.399	.417	.361
REGN. COEF. VAR	.376	.404	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.361
USED COEF. VAR	.376	.406	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.361

MEAN/A	1.301	1.619	1.782	1.918	2.002	2.107	2.290	2.494	2.895	3.214	3.792	.5542	1.0000
HPI/A	1.196	2.052	2.795	3.033	3.169	3.337	3.640	3.910	4.437	5.113	5.893	1.5107	
HPSA/A	2.213	2.355	2.550	2.790	2.990	3.190	3.490	3.790	4.068	4.209	4.424	1.4283	
HP50/A	2.000	3.047	3.382	4.171	4.363	4.598	5.023	5.333	6.421	6.976	7.861	1.1684	1.9685
RP100/A	2.672	3.780	4.260	4.642	4.857	5.119	5.595	5.913	7.158	7.744	8.467	1.2908	2.1510
RP1000/A	3.726	4.985	5.641	6.160	6.449	6.794	7.437	7.770	9.534	1.0206	1.1112	1.6803	2.7262
RP10000/A	.6550	1.0155	1.6983	2.0000	2.795	3.849	5.922	5.964	1.1842	1.2582	1.3479	2.0539	3.2926
PMP/A	.8640	1.1529	1.3144	1.4407	1.5095	1.5917	1.7441	1.8466	2.2440	2.4377	2.7286	4.0623	6.7150

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
C00 5257 0 MAGUNDEN 440 36 295 28E G M 35°36'2 118°49'2 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.87	1.00	1.06	1.15	1.18	1.23	1.31	1.41	1.60	1.82	2.20	3.11	6.01
5	1.20	1.43	1.55	1.67	1.71	1.78	1.90	2.03	2.35	2.63	3.11	4.44	8.26
10	1.42	1.71	1.85	2.02	2.07	2.16	2.31	2.44	2.81	3.18	3.69	5.31	9.69
20	1.63	1.98	2.17	2.35	2.41	2.51	2.69	2.83	3.34	3.69	4.23	6.12	11.00
25	1.70	2.07	2.26	2.45	2.52	2.63	2.81	2.95	3.49	3.85	4.42	6.10	11.40
40	1.83	2.24	2.46	2.67	2.75	2.86	3.06	3.20	3.81	4.19	4.80	6.90	12.70
50	1.90	2.34	2.53	2.75	2.87	2.97	3.14	3.30	3.91	4.24	4.91	7.16	13.42
100	2.09	2.58	2.84	3.09	3.17	3.31	3.54	3.68	4.11	4.42	5.40	7.89	13.80
200	2.28	2.84	3.12	3.40	3.49	3.64	3.90	4.03	4.86	5.29	5.88	8.63	14.93
1000	2.71	3.41	3.76	4.10	4.21	4.39	4.71	4.83	5.88	6.36	9.98	10.28	17.48
10000	3.31	4.21	4.66	5.08	5.22	5.44	5.84	5.95	7.30	7.83	8.44	12.56	20.96
PMP	6.28	7.88	8.77	9.58	9.86	10.28	11.05	11.48	13.83	15.17	17.09	24.85	43.06

MEAN	.946	1.107	1.189	1.276	1.308	1.361	1.451	1.551	1.785	2.000	2.375	3.390	6.112
CLOCK HR, COR.	1.140	1.020	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.538	.781	.970	.860	.964	.871	.672	.635	.981	.969	.341	.629	.655
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000

KURTOSIS	3.647	3.173	3.699	3.357	3.775	3.490	2.965	2.849	3.969	3.739	2.731	2.911	2.917
N	.42	.42	.42	.42	.42	.42	.42	.42	.42	.42	.42	.42	.42
RECORD YEAR	1943	1961	1943	1943	1943	1943	1938	1933	1932	1962	1962	1969	1941
RECORD MAXIMUM	1.680	1.930	2.330	2.520	2.720	2.700	2.750	2.880	3.880	4.300	4.390	6.680	11.970
NORMALIZED MAX	2.218	2.089	2.458	2.430	2.646	2.559	2.374	2.282	2.491	2.952	2.438	2.551	2.446
CALC. COEF. VAR	.350	.359	.390	.405	.408	.390	.377	.376	.406	.389	.348	.379	.354
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1475	.1726	.1855	.1990	.2040	.2122	.2263	.2418	.2784	.3120	.3704	.5287	1.0000
HP10/A	.2218	.2667	.2909	.3144	.3229	.3362	.3596	.3801	.4458	.4954	.5756	.8277	1.5107
HP25/A	.2645	.3272	.3532	.3827	.3933	.4095	.4385	.4595	.5449	.6300	.7665	.9940	1.7785
HP50/A	.2954	.3634	.3934	.4266	.4521	.4631	.4962	.5175	.6172	.6772	.7293	.9114	1.7785
AP100/A	.3295	.4023	.4481	.4814	.4950	.5145	.5575	.5735	.6881	.758	.8427	1.2313	2.1516
AP1000/A	.4224	.5314	.5871	.6389	.6573	.6847	.7346	.7536	.8165	.9007	1.0854	1.6029	2.7264
AP10000/A	.5158	.6561	.7268	.7919	.8148	.8490	.9114	.9275	1.1384	1.2214	1.3167	1.9593	3.2696
PMF/A	.9796	1.289	-1.3680	1.4942	1.5384	1.6032	1.7229	1.7909	2.1572	2.3665	2.6653	3.8751	6.7510

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

**PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE**

STATION NO. ASN ORDER SUB COO 4476 0	STATION NAME ORANGE COVE	ELEV 431	SEC 13	TWP 155	RNG 24E	LOT K	RWM M	LATITUDE 36.622	LONGITUDE 119.311	COUNTY CODE 10
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	1D	20	30	4D	50	60	80	100	150	200	300	600	3650
2	1.47	1.93	2.09	2.22	2.31	2.45	2.62	2.94	3.42	3.82	4.49	6.61	13.04
5	2.02	2.74	3.00	3.21	3.36	3.54	3.82	4.22	5.01	5.53	6.34	9.43	14.55
10	2.40	3.22	3.62	3.89	4.06	4.31	4.63	5.08	6.09	6.68	7.53	11.28	19.41
20	2.75	3.81	4.21	4.53	4.73	4.95	5.25	5.65	6.1	7.44	8.10	8.98	13.55
25	2.86	3.97	4.40	4.73	4.95	5.25	5.65	6.1	7.44	8.10	8.98	13.55	27.84
40	3.05	4.31	4.7	5.15	5.39	5.7	6.15	6.6	8.12	8.89	9.15	14.66	24.51
50	3.19	4.47	4.97	5.35	5.59	5.93	6.39	6.8	8.42	9.13	9.41	15.18	24.29
100	3.52	5.96	5.52	5.95	6.23	6.41	7.12	7.66	9.11	10.12	11.13	16.37	27.44
200	3.84	6.54	6.07	6.55	6.85	7.27	7.93	8.34	10.35	11.12	12.01	13.83	29.92
1000	4.56	6.54	7.31	7.90	8.27	8.77	9.44	10.06	12.52	13.25	14.20	21.84	35.02
10000	5.57	8.08	9.05	9.79	10.25	10.88	11.74	12.39	15.55	16.46	17.23	26.69	42.00
PMP	10.54	15.13	17.04	14.47	13.95	20.54	22.19	23.92	29.47	31.89	34.88	52.79	86.27

MEAN	1.594	2.125	2.311	2.460	2.566	2.719	2.913	3.230	3.803	4.205	4.847	7.202	12.847
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.809	.813	1.141	1.205	1.142	1.049	1.248	1.238	1.367	1.186	1.300	1.390	.997
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000

KURTOSIS	3.141	2.825	3.784	3.943	3.787	3.570	5.478	4.550	5.089	4.482	4.551	5.497	3.628
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1967	1956	1956	1956	1956	1956	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.620	4.640	5.080	5.470	5.730	5.970	7.870	8.05	10.060	10.260	11.130	17.660	26.990
NORMALIZED MAX	1.875	2.159	2.674	2.584	2.634	2.544	3.686	3.244	3.421	3.274	3.208	3.535	2.937
CALC'D. COEF., VAR	.343	.417	.448	.474	.468	.470	.491	.46	.481	.440	.404	.411	.375
REGN. COEF., VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF., VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1241	.1654	.1799	.1915	.1997	.2117	.2266	.2514	.2960	.3273	.3773	.5000	1.0000
RP10/A	.1865	.2556	.2821	.3025	.3162	.3353	.3805	.3952	.4741	.5197	.5863	.8778	1.1017
RP20/A	.2224	.3190	.3425	.3683	.3851	.4085	.4394	.4777	.5795	.6303	.6992	1.0454	1.7783
RP50/A	.2445	.3424	.3787	.4163	.4524	.4619	.5074	.5784	.7465	.7105	.7801	1.1820	1.9685
RP100/A	.2730	.3861	.4300	.4833	.5087	.5484	.5961	.7187	.8777	.9156	.9564	1.2495	2.1516
RP1000/A	.3552	.5692	.5694	.6146	.6435	.6830	.7363	.7834	.8748	.10.04	.11.50	1.3058	2.1264
RP10000/A	.4336	.6287	.7048	.7620	.7978	.8468	.9135	.9642	.1.2108	.1.2914	.1.3411	2.0778	3.2696
PMP/A	.8238	1.1776	1.3266	1.4379	1.5061	1.5992	1.7269	1.8617	2.2943	2.4827	2.7149	4.1098	8.1750

**PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE**

STATION NO. ASN ORDER SUB COO 7077 0	STATION NAME PORTERVILLE	ELEV 393	SEC 26	TWP 215	RNG 27E	LOT R	RWM M	LATITUDE 36.066	LONGITUDE 119.071	COUNTY CODE 54
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	20	30	4D	50	60	80	100	150	200	300	600	3650
2	1.31	1.64	1.79	1.93	2.00	2.11	2.27	2.48	2.86	3.16	3.87	5.49	10.10
5	1.81	2.33	2.57	2.79	2.90	3.06	3.30	3.56	4.20	4.58	5.47	7.84	12.88
10	2.14	2.80	3.10	3.38	3.52	3.71	4.00	4.37	4.67	4.96	5.96	6.42	10.81
20	2.46	3.24	3.61	3.94	4.10	4.33	4.67	4.96	5.36	5.64	7.45	10.81	18.47
25	2.56	3.38	3.77	4.11	4.28	4.52	4.88	5.17	5.51	6.20	7.67	11.26	19.15
40	2.76	3.67	4.10	4.48	4.66	4.92	5.32	5.61	6.80	7.28	7.89	12.19	20.55
50	2.86	3.81	4.26	4.64	4.84	5.11	5.52	5.82	6.75	7.55	8.55	12.95	21.20
100	3.16	4.23	4.73	5.17	5.39	5.84	6.15	6.75	7.67	8.39	9.51	13.95	23.88
200	3.43	4.64	5.20	5.69	5.93	6.26	6.77	7.07	8.67	9.20	10.35	15.24	25.09
1000	4.99	6.89	7.76	8.51	8.87	9.37	10.14	10.44	13.03	13.62	14.85	22.19	35.22
PMP	9.47	12.90	14.60	16.06	16.75	17.70	19.17	20.15	24.69	26.39	30.07	43.89	72.33

MEAN/A	1.426	1.811	1.980	2.138	2.222	2.343	2.517	2.722	3.185	3.479	4.179	5.988	10.771
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.707	1.654	1.491	1.337	1.512	1.419	1.373	1.332	1.150	1.128	1.978	1.351	.803
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000

KURTOSIS	6.138	5.860	5.542	4.321	5.355	4.875	4.722	4.537	3.810	3.676	3.444	5.401	3.257
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1969	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.720	4.290	4.790	4.790	5.520	5.550	5.990	6.170	7.210	7.870	8.950	14.780	21.340
NORMALIZED MAX	2.465	3.180	3.279	2.914	3.387	3.144	3.088	2.908	2.813	2.861	2.847	3.585	2.778
CALC'D. COEF., VAR	.368	.430	.433	.426	.438	.435	.447	.436	.449	.441	.401	.410	.353
REGN. COEF., VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF., VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

MEAN/A	.1324	.1682	.1838	.1985	.2063	.2175	.2337	.2527	.2957	.3230	.3880	.5559	1.0000
RP10/A	.1990	.2599	.2882	.3136	.3265	.3464	.3716	.3971	.4736	.5129	.6029	.8764	1.5107
RP20/A	.2373	.3141	.3500	.3818	.3976	.4198	.4526	.4801	.5789	.6220	.7140	1.0457	1.7783
RP50/A	.2651	.3458	.3792	.4024	.4362	.4675	.5145	.5645	.6552	.6912	.8224	1.1486	1.9685
RP100/A	.272	.3292	.3749	.4083	.5065	.5856	.6768	.7578	.7873	.7991	.7744	.8248	1.2164
RP1000/A	.2790	.5177	.5818	.6374	.6645	.7618	.7587	.7873	.7991	.8247	.8711	.9248	1.7264
RP10000/A	.4628	.6393	.7202	.7900	.								

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB COO	STATION NAME	ELEV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE
A375 50	SOUTH BELRIDGE	575	33	285	ZIF	4	M	35°45'	119°7'09"	15	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.90	1.05	1.13	1.17	1.23	1.30	1.35	1.44	1.61	1.73	2.02	2.77	4.94
5	1.24	1.44	1.62	1.70	1.78	1.86	1.97	2.04	2.34	2.51	2.85	3.95	6.79
10	1.48	1.78	1.96	2.08	2.15	2.20	2.39	2.48	2.87	3.03	3.29	4.72	7.96
20	1.68	2.06	2.28	2.39	2.51	2.66	2.79	2.88	3.36	3.52	3.89	5.44	9.03
25	1.74	2.15	2.38	2.49	2.62	2.78	2.91	3.00	3.51	3.65	4.04	5.67	9.37
40	1.88	2.34	2.59	2.71	2.85	3.03	3.17	3.26	3.83	4.00	4.12	6.14	10.05
50	1.95	2.43	2.69	2.82	2.97	3.15	3.29	3.38	3.98	4.14	4.51	6.36	10.37
100	2.15	2.69	2.99	3.14	3.38	3.56	3.67	3.74	4.43	4.60	4.96	7.02	11.33
200	2.34	2.95	3.28	3.45	3.63	3.86	4.00	4.10	4.84	5.01	5.20	7.27	12.27
400	2.79	3.55	3.92	4.11	4.48	4.84	4.98	5.11	5.91	6.06	6.39	9.14	14.36
1000	3.40	4.39	4.89	5.16	5.43	5.77	6.05	6.05	7.34	7.47	7.76	11.17	17.22
10000	4.66	6.21	7.21	7.97	8.21	8.74	9.26	10.90	11.43	13.90	14.48	15.70	22.10
PMP	6.66	8.21	9.21	9.74	10.26	10.90	11.43	11.69	13.90	14.48	15.70	22.10	35.37
MEAN	.973	1.153	1.249	1.296	1.361	1.442	1.507	1.578	1.794	1.999	2.182	3.015	5.267
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.070	1.010	1.070	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.419	1.534	1.89	1.785	2.071	1.823	1.619	1.596	2.500	2.357	1.919	1.475	1.381
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

## KURTOSIS

2,322	7,015	8,737	8,465	9,949	7,955	7,000	7,199	11,681	10,915	7,999	4,907	3,326	
N	31	31	31	31	31	31	31	31	31	31	31	31	31
RECORD YEAR	1950	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
RECORDED MAX	1,560	2,882	3,490	3,590	4,010	4,120	4,130	4,000	6,210	6,440	6,580	7,320	10,270
NORMALIZED MAX	1,456	3,171	3,569	3,636	3,870	3,920	3,523	3,491	4,096	4,030	3,679	2,860	2,312
CALC. COEF. VAR	.414	.451	.503	.484	.503	.514	.497	.512	.601	.589	.548	.499	.411
REGN. COEF. VAR	.374	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

## MEAN/A

.1847	.2189	.2371	.2461	.2583	.2739	.2851	.2997	.3406	.3625	.4143	.5723	1.0000	
RP10/A	.2778	.3382	.3718	.3899	.4089	.4339	.4531	.4711	.5454	.5756	.6437	.8961	1.5107
RP25/A	.3312	.4089	.4516	.4734	.4979	.5285	.5524	.5691	.6667	.6980	.7677	.10765	1.7783
RP50/A	.3700	.4605	.5098	.5351	.5630	.5974	.6049	.7552	.7869	.8565	.12068	1.9685	
RP100/A	.4078	.5110	.5668	.5956	.6267	.6653	.6964	.7105	.8200	.8735	.9423	1.3330	2.1516
RP1000/A	.5290	.6739	.7500	.7904	.8321	.8836	.9257	.9733	1.2151	1.2138	1.7352	2.7264	
RP10000/A	.6466	.8321	.9292	.9796	1,0317	1.0596	1,1484	1,4943	1,3930	1,4192	1,6224	2,1211	3,2696
PMP/A	1.2577	1.5584	1.7489	1.8484	1.9477	2.0689	2,1710	2,2191	2,6395	2,7496	2,9896	4,1952	6,7150

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB COO	STATION NAME	ELEV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE
A839 0	TEJON RANCHO	1425	24	11N	IRW	M	S	35°02'	118°7'44"	15	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.50	1.61	1.72	1.81	1.93	2.10	2.27	2.67	3.02	3.73	5.25	10.18
5	1.79	2.45	2.32	2.49	2,63	2,81	3.05	3.26	3.92	4.17	5.27	7.70	13.99
10	2.12	2.59	2.40	3.02	3.19	3.44	3.74	4.00	4.47	5.29	6.26	8.96	14.40
20	2.33	2.96	3.25	3.52	3.71	3.96	4.32	4.55	5.57	6.13	7.18	10.34	18.62
25	2.53	3.09	3.40	3.67	3.88	4.14	4.51	4.74	5.82	6.40	7.46	10.77	19.31
40	2.73	3.35	3.69	4.00	4.22	4.51	4.91	5.15	6.35	6.96	7.60	11.66	20.72
50	2.82	3.46	3.83	4.15	4.48	4.68	5.10	5.34	6.60	7.22	8.33	12.07	21.37
100	3.11	3.86	4.26	4.62	4.88	5.21	5.64	5.92	7.36	8.01	9.18	13.36	
200	3.39	4.23	4.69	5.08	5.37	5.74	6.25	6.49	8.10	9.26	10.37	15.29	
400	4.04	5.09	5.51	6.13	6.46	6.92	7.25	7.50	9.40	10.56	11.80	17.36	
1000	4.93	6.24	6.89	7.60	8.03	8.58	9.17	9.55	12.17	13.02	14.32	21.22	35.50
10000	9.36	11.77	13.15	14.34	15.16	16.21	17.72	18.49	23.06	25.22	28.98	41.97	72.91
MEAN	1.469	1.653	1.784	1.910	2.011	2.146	2.326	2.496	2.975	3.325	4.028	5.725	10.888
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.881	.679	.843	1.024	1.043	1.031	.927	.969	.659	.554	.246	.258	
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

## KURTOSIS

4,197	3,076	3,827	3,993	3,847	3,940	3,876	4,038	3,137	3,932	3,125	3,074	3,779	
N	73	73	73	73	73	73	73	73	73	73	73	73	76
RECORD YEAR	1965	1965	1938	1905	1935	1905	1905	1905	1905	1905	1905	1905	1935
RECORDED MAX	2,640	2,909	3,450	3,850	4,100	2,660	3,177	3,400	3,443	2,593	3,226	2,431	7,585
NORMALIZED MAX	2,566	2,344	2,833	2,693	2,660	2,177	3,400	3,443	2,593	3,226	2,431	7,585	2,982
CALC. COEF. VAR	.330	.322	.330	.377	.391	.384	.382	.367	.347	.347	.309	.330	.324
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381

## MEAN/A

.1298	.1522	.1643	.1759	.1852	.1976	.2143	.2299	.2740	.3062	.3710	.5723	1.0000	
RP10/A	.1951	.2252	.2576	.2780	.2931	.3130	.3405	.3613	.4389	.4862	.5764	.8256	1.5107
RP25/A	.2327	.2844	.3128	.3383	.3570	.3814	.4153	.4536	.5364	.5896	.6874	.9918	1.7783
RP50/A	.2599	.3203	.3532	.3825	.4036	.4313	.4699	.4917	.6077	.6647	.7670	.1,1117	1.9685
RP100/A	.2465	.3551	.3927	.4257	.4493	.4891	.5234	.5451	.6774	.7379	.8438	.1,2281	2.1516
RP1000/A	.3716	.4687	.5200	.5649	.5965	.6376	.6957	.7164	.9023	.9724	.1,0489	2.7264	
RP10000/A	.4538	.5787	.6437	.7001	.7396	.7966	.8631	.9111	.1,1208	.1,1488	.1,3185	.1,9542	.2,0946
PMP/A	.8619	1.0591	1.2115	1.3211	1.3963	1.4930	1.0315	1.0702	2.0327	2.6690	3.8650	6.7150	

## PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C00 9367 0	STATION NAME VISALIA	FLEV	SEC	TWP	RNG	LDT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	54		
RETURN PERIOD IN YEARS	10	20	30	40	50	60	RN	100	150	200	300	600	3650
2	1.29	1.54	1.72	1.86	1.95	2.09	2.24	2.41	2.77	3.09	3.76	5.10	9.27
5	1.78	2.19	2.47	2.69	2.83	3.03	3.26	3.47	4.05	4.48	5.31	7.28	12.74
10	2.11	2.62	2.98	3.25	3.42	3.66	3.95	4.17	4.93	5.41	6.31	8.71	14.94
20	2.42	3.04	3.41	3.79	3.97	4.24	4.61	4.83	5.76	6.28	7.23	10.05	16.96
25	2.52	3.17	3.61	3.96	4.17	4.44	4.86	5.07	5.47	6.02	6.55	7.46	10.46
40	2.72	3.45	3.93	4.11	4.54	4.86	5.14	5.47	6.13	6.66	7.13	8.77	17.58
50	2.81	3.57	4.08	4.47	4.71	5.15	5.45	5.67	6.83	7.39	8.39	11.73	19.47
100	3.10	3.97	4.55	4.98	5.26	5.62	6.07	6.29	7.61	8.21	9.23	12.93	21.28
200	3.34	4.35	4.99	5.48	5.77	6.18	6.68	6.89	8.38	9.00	10.05	14.19	23.03
1000	4.02	5.25	6.01	6.61	6.96	7.44	8.07	8.26	10.13	10.41	11.89	16.87	26.96
10000	4.91	6.46	7.44	8.19	8.63	9.26	10.01	10.17	12.59	13.33	14.43	20.62	32.33
PPD	9.32	12.09	14.00	15.45	16.30	17.48	19.92	19.65	23.85	25.43	29.21	40.78	56.40

MEAN	1.403	1.698	1.898	2.057	2.161	2.313	2.485	2.652	3.078	3.406	4.060	5.563	9.489
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.195	1.559	1.209	1.168	1.071	1.164	1.293	1.144	1.127	.988	1.009	1.302	.719
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000

KURTOSIS	10.037	5.647	3.940	3.871	3.336	3.939	4.987	4.674	4.782	3.727	3.645	6.067	3.219
N	.62	.62	.62	.62	.62	.62	.62	.62	.62	.62	.62	.62	.62
RECORD YEAR	1975	1975	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.700	4.000	4.024	4.410	4.410	5.090	6.050	6.070	7.400	7.660	8.500	13.820	19.780
NORMALIZED AVE	3.548	3.672	2.811	2.749	2.552	3.013	3.682	3.565	3.679	3.257	2.881	4.028	2.825
CALC. COEF. VAR	.457	.443	.428	.416	.413	.398	.390	.362	.382	.384	.386	.369	.354
REGN. COEF. VAR	.376	.408	.425	.434	.434	.437	.441	.427	.420	.449	.413	.452	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.420	.439	.413	.422	.381

MEAN/A	1.19	1.718	1.919	2.081	2.186	2.339	2.513	2.682	2.813	3.044	3.444	5.562	1.000
PPD/A	.2133	.2654	.3016	.3288	.3486	.3750	.4046	.4485	.4985	.5397	.5886	1.010	1.107
PPD25/A	.2529	.2808	.3058	.3282	.3413	.3652	.3906	.4242	.4632	.5032	.5432	1.008	1.092
PPD50/A	.2942	.3613	.4126	.4524	.4764	.5105	.5512	.5736	.6492	.7476	.8488	1.1760	.1969
RP100/A	.3132	.4110	.4588	.5035	.5303	.5684	.6139	.6359	.7695	.8299	.9339	1.3102	2.1516
RP1000/A	.4063	.5280	.6076	.6681	.7041	.7544	.8160	.8357	1.0249	1.0936	1.2029	1.7052	2.7264
RP10000/A	.4961	.6529	.7521	.8281	.8729	.9366	1.0123	1.0286	1.2730	1.3483	1.5951	2.0849	3.2696
PPM/A	.9422	1.2229	1.4156	1.5626	1.6479	1.7675	1.9138	1.9860	2.4123	2.9537	4.1238	6.7150	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C00 9452 0	STATION NAME WASCO	ELEV	SEC	TWP	RNG	LDT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	15
		333	12	275	24E	J	M	35°59'	119°333		

MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.09	1.18	1.25	1.31	1.39	1.51	1.59	1.77	1.94	2.39	3.27	5.93	
5	1.34	1.55	1.70	1.80	1.90	2.02	2.19	2.28	2.60	2.81	3.38	4.66	8.15
10	1.58	1.81	2.05	2.18	2.30	2.45	2.66	2.74	3.16	3.39	4.01	5.58	9.55
20	1.82	2.16	2.38	2.54	2.68	2.86	3.10	3.18	3.70	3.93	4.60	6.43	10.85
25	1.84	2.25	2.49	2.65	2.86	2.98	3.12	3.32	3.84	4.04	4.60	6.17	11.25
40	2.04	2.41	2.74	2.99	3.09	3.25	3.53	3.70	4.21	4.46	4.89	7.25	12.07
50	2.11	2.53	2.81	3.00	3.16	3.47	3.67	3.73	4.63	4.63	5.34	7.51	13.75
100	2.33	2.81	3.12	3.34	3.52	3.76	4.09	4.14	4.88	5.14	5.88	8.30	13.61
200	2.54	3.08	3.43	3.67	3.87	4.13	4.50	4.53	5.38	5.64	6.40	9.00	14.73
1000	3.24	3.71	4.13	4.43	4.67	4.99	5.43	5.44	6.50	6.77	7.57	10.80	17.24
10000	3.68	4.58	5.12	5.49	5.79	6.19	6.74	6.69	8.08	8.35	9.18	13.20	20.68
PPD	7.00	8.57	9.53	10.37	10.93	11.68	12.74	12.92	15.30	16.17	18.59	26.11	47.47

MEAN	1.054	1.204	1.305	1.380	1.450	1.546	1.673	1.745	1.974	2.132	2.583	3.562	6.325
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.150	1.454	1.292	1.357	1.297	1.327	1.319	1.278	1.704	1.543	1.359	1.422	.947
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000

KURTOSIS	10.099	6.055	4.535	4.942	5.039	5.179	4.691	4.619	6.560	5.736	4.854	4.639	3.257
N	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
RECORD YEAR	1921	1921	1962	1921	1962	1962	1962	1962	1962	1962	1962	1962	1958
RECORD MAXIMUM	2.800	2.800	2.930	3.110	3.450	3.690	3.810	3.890	5.460	5.710	6.230	7.960	12.280
NORMALIZED AVE	3.030	3.055	2.634	2.792	3.128	3.213	2.832	2.775	3.646	3.442	3.256	2.882	2.379
CALC. COEF. VAR	.457	.444	.449	.446	.431	.451	.443	.444	.484	.482	.434	.396	
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.420	.437	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.420	.439	.413	.422	.381

MEAN/A .1963 , 2064 , 2293 , 2445 , 2758 , 3122 , 3371 , 4085 , 5632 , 1.0000

PPD/A .2507 , 2941 , 3237 , 3499 , 3629 , 3742 , 4320 , 4436 , 4597 , 5353 , 6347 , 6741 , 1.5107

PPD25/A .2577 , 3551 , 3774 , 4198 , 4427 , 4475 , 4997 , 5336 , 5861 , 5899 , 5922 , 7318 , 8445 , 1.0594

PPD50/A .3337 , 4.004 , 4.437 , 4.475 , 4.997 , 5336 , 5861 , 5899 , 5922 , 7318 , 8445 , 1.1874 , 1.9698

RP100/A .3678 , 4443 , 4934 , 5281 , 5563 , 5940 , 6161 , 6541 , 7717 , 8124 , 9291 , 1.3118 , 2.1516

RP1000/A .4771 , 5859 , 6533 , 7009 , 7386 , 7880 , 8588 , 8595 , 1.0279 , 1.0705 , 1.1963 , 1.7076 , 2.7264

RP10000/A .5826 , 7234 , 8088 , 8687 , 9156 , 9782 , 1.0557 , 1.2768 , 3199 , 4158 , 4158 , 2.0873 , 3.2696

PPM/A 1.1063 , 1.3549 , 1.5222 , 1.6391 , 1.7286 , 1.8472 , 2.0142 , 2.0426 , 2.4194 , 2.5572 , 2.938 , 4.1283 , 6.7150

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. ASN ORDER SUB C10 449 0	STATION NAME RALCH P M	FLFV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY CODE
		1720	12	125	PER	A	M	36°49'09"	119°04'07"	10

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	3.04	4.22	4.74	5.12	5.45	5.75	6.32	6.89	7.90	8.84	10.70	14.94	27.65	
5	4.46	6.45	7.31	7.85	8.33	8.49	9.51	10.24	11.66	12.87	15.25	21.43	37.51	
10	5.41	7.97	9.05	9.72	10.29	10.58	11.68	12.49	14.22	15.56	18.17	25.68	47.75	
20	6.31	9.41	10.71	11.50	12.18	12.58	13.74	14.61	16.65	18.10	20.89	29.67	49.49	
25	6.59	9.87	11.24	12.05	12.75	13.18	14.39	15.27	17.42	18.90	21.73	30.91	51.26	
40	7.17	10.88	12.32	13.21	13.94	14.42	15.74	16.95	19.24	20.82	23.52	33.48	54.91	
50	7.41	11.26	12.69	13.51	14.56	15.11	16.37	17.59	19.76	21.12	24.28	34.48	56.61	
100	8.48	12.61	13.89	14.43	16.30	16.79	18.39	19.62	20.05	23.68	26.75	38.34	61.75	
200	9.09	13.95	15.93	17.07	18.02	18.55	20.23	21.20	24.36	26.00	29.15	41.92	66.74	
1000	10.95	16.99	19.43	20.80	21.98	22.55	24.57	25.58	29.42	31.25	34.54	49.99	77.89	
10000	11.52	21.24	24.32	26.03	27.45	28.14	30.65	31.68	34.59	38.56	41.97	61.17	93.15	
PMP	26.32	40.77	46.78	51.00	52.69	53.83	55.56	56.56	61.19	64.94	74.84	85.27	121.24	189.93
MEAN	3.363	4.762	5.361	5.781	6.145	6.458	7.090	7.639	8.813	9.751	11.586	16.307	29.401	
CLOCK HRS. COR.	1.140	1.070	1.150	1.200	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.456	1.457	1.450	1.246	1.227	1.169	1.612	1.488	1.169	1.112	1.036	1.790		
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.400	1.200	1.000		
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.400	1.200	1.000		
KURTOSIS	4.372	4.224	4.473	3.968	3.822	3.574	6.050	5.881	5.301	4.573	4.189	5.130	3.454	
N	37	37	37	37	37	37	37	37	37	37	37	37	37	
PFCDR YEAR	1969	1983	1963	1963	1954	1969	1969	1969	1969	1969	1969	1969	1969	
RECDOD MAXIMUM	6.950	10.89	13.760	13.800	13.820	14.030	20.380	22.890	24.040	26.400	39.870	60.590		
NORMALIZED MAX	2.238	2.299	2.708	2.558	2.345	2.274	3.477	3.448	3.345	3.188	3.091	3.357	2.877	
CALC. COEF. VAR	.477	.560	.578	.542	.533	.515	.539	.507	.477	.460	.416	.430	.369	
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.426	.429	.364	
USED COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.426	.429	.364	
MEAN/A	+1144	+1620	+1824	+1966	+2090	+2197	+2411	+2598	+2997	+3317	+3941	+5566	+14.000	
RP10/A	+1841	+2711	+3079	+3307	+3501	+3632	+3971	+4247	+4836	+5293	+6181	+8736	+14.879	
RP25/A	+2241	+3357	+3822	+4100	+4336	+4802	+5054	+5620	+6262	+6702	+7051	+1.7435		
RP50/A	+2552	+3828	+4144	+4444	+4753	+5160	+5522	+6720	+7250	+7850	+8260	+1.7435		
RP100/A	+2815	+4896	+4696	+5247	+5543	+5711	+6229	+6553	+7598	+8056	+9098	+13.040	+1.002	
RP1000/A	+3723	+5779	+6608	+7075	+7488	+7649	+8358	+8701	+1.0007	+1.0300	+1.1749	+1.7003	+2.6493	
RP10000/A	+4600	+7226	+8272	+8852	+9338	+9579	+1.0424	+1.0775	+1.2445	+1.3116	+1.4278	+2.0804	+3.1683	
PMP/A	+985	+1.3866	+1.5910	+1.7000	+1.7922	+1.8309	+1.9918	+2.0701	+2.3635	+2.5454	+2.9003	+4.1237	+6.4600	

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. ASN ORDER SUB C20 143 0	STATION NAME ASH MOUNTAIN	ELEV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY CODE
		1708	34	165	29E	L	M	36°49'2	118°8'26"	54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.01	3.81	4.19	4.61	4.91	5.18	5.58	6.04	6.91	7.84	9.42	13.74	25.01
5	4.47	5.83	6.47	7.09	7.52	8.40	9.00	10.21	11.82	13.41	19.71	33.93	
10	5.36	7.20	8.01	8.77	9.28	9.62	10.32	10.97	12.44	13.81	15.99	23.62	39.57
20	6.25	8.51	9.48	10.37	10.97	11.34	12.14	12.83	14.57	16.66	18.38	27.28	44.76
25	6.52	8.92	9.91	10.87	11.50	11.88	12.72	13.91	14.63	16.64	18.24	28.42	44.37
40	7.10	9.77	10.91	11.92	12.60	12.44	13.91	14.63	16.64	18.24	19.48	30.41	49.67
50	7.37	10.44	11.38	12.44	13.12	13.52	14.71	15.77	17.29	18.34	19.89	31.00	48.89
100	8.20	12.44	13.91	14.70	15.70	16.19	16.93	18.59	21.02	23.53	25.35	35.55	55.85
200	9.71	12.60	14.10	15.39	16.26	16.71	17.87	18.63	21.26	23.07	25.64	38.54	63.37
1000	10.84	15.35	17.20	18.76	19.80	20.32	21.72	22.68	25.75	27.74	30.39	45.97	70.46
10000	13.39	19.15	21.53	23.47	25.76	25.26	27.87	28.83	32.02	34.22	36.92	56.24	84.26
PMP	26.65	36.83	41.41	45.69	47.63	48.51	51.75	54.43	60.81	66.41	75.01	111.48	171.80
MEAN	3.430	4.003	4.765	5.213	5.543	5.820	6.265	6.712	7.712	8.653	10.192	14.994	26.595
CLOCK HRS. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.664	1.485	1.568	1.249	1.063	1.983	1.022	.843	.691	.830	.529	.814	.799
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	1.000
KURTOSIS	5.862	4.445	5.206	4.177	3.927	3.569	3.621	3.244	2.755	3.628	3.037	4.007	4.195
N	38	38	38	38	38	38	38	38	38	38	38	38	38
RECDOD MAXIMUM	1950	1963	1963	1963	1963	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	2.665	2.228	2.921	2.721	2.623	2.669	2.669	2.635	2.499	2.848	2.731	3.090	3.110
CALC. COEF. VAR	.440	.485	.522	.493	.459	.440	.459	.431	.418	.401	.380	.403	.342
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.486	.474	.459	.445	.424	.429	.384
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.486	.474	.459	.445	.424	.429	.384
MEAN/A	+1252	+1618	+1784	+1960	+2084	+2188	+2356	+2524	+2900	+3254	+3832	+5383	+1.0000
RP10/A	+2015	+2708	+3013	+3297	+3491	+3619	+3880	+4125	+4679	+5193	+6011	+8880	+1.4879
RP25/A	+2453	+3393	+3740	+4067	+4324	+4466	+4782	+5046	+5311	+5305	+6306	+6311	+1.7435
RP50/A	+2772	+3824	+4271	+4665	+4932	+5162	+5462	+5750	+6051	+6501	+7032	+8332	+1.0000
RP100/A	+3692	+4454	+4827	+5127	+5327	+5689	+6096	+6365	+6754	+7254	+7933	+1.3255	+2.1002
RP1000/A	+4674	+5772	+6467	+7054	+7479	+7641	+8185	+8451	+9681	+1.0429	+1.246	+1.7284	+2.4933
PMP/A	+5035	+7217	+8095	+8825	+9311	+9537	+1.0195	+1.0466	+1.2039	+1.2867	+1.3882	+2.1148	+3.1683
	+9799	+1.3848	+1.5569	+1.6956	+1.7872	+1.8240	+1.9459	+2.0264	+2.4972	+2.4972	+2.8208	+4.1918	+6.4600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
C20 422 0 BAUGER 3030 11 155 27E P M 36°62' 119°01'3 54

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	3.23	4.15	4.60	4.92	5.17	5.37	6.04	6.56	7.37	8.27	9.98	13.89	25.75
5	4.75	6.36	7.10	7.57	7.91	8.12	9.09	9.76	10.89	12.05	14.22	19.93	34.93
10	5.76	7.86	8.19	9.36	9.77	9.98	11.16	11.96	12.87	14.57	16.95	23.88	46.09
20	6.71	9.28	10.41	11.05	11.55	11.76	13.13	13.92	15.54	16.95	19.49	27.58	46.74
25	7.01	9.73	10.91	11.60	12.10	12.31	13.75	14.56	16.28	17.69	20.27	28.74	47.74
40	7.63	10.66	11.97	12.72	13.21	13.48	15.04	15.87	17.74	19.24	20.66	31.13	51.14
50	7.92	11.10	12.46	13.24	13.81	14.02	15.65	16.48	18.44	19.92	22.65	32.24	52.71
80	8.44	12.44	13.85	15.24	15.69	17.04	18.86	20.58	22.21	24.55	35.65	57.50	
200	9.47	13.76	14.43	15.11	15.73	16.31	17.93	20.21	22.14	24.79	36.97	57.15	
1000	11.64	16.75	18.87	20.02	20.85	21.07	23.44	24.30	25.46	29.26	32.22	46.48	71.54
10000	14.35	20.95	23.62	25.05	26.07	26.30	28.29	30.20	34.15	36.10	39.15	56.87	86.75
PMP	27.98	40.20	45.44	48.13	50.03	50.30	55.94	59.05	64.85	70.00	79.55	112.72	176.87

MEAN	3.576	4.696	5.208	5.564	5.834	6.035	6.775	7.282	8.225	9.129	10.807	15.161	27.380
CLOCK HR. COR.	1.140	1.071	1.040	1.020	1.010	1.011	1.001	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+.787	+.937	+.941	+.947	+.944	+.946	+.949	+.950	+.950	+.950	+.950	+.950	+.950
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	2.727	2.851	2.940	3.201	3.377	3.460	6.639	6.758	6.718	7.046	5.392	8.016	3.558
N	5	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1958	1967	1969	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
RECORD MAXIMUM	5.520	9.050	9.920	13.020	13.780	13.880	18.790	19.790	21.541	23.490	25.250	38.530	54.900
NORMALIZED MAX	1.288	1.727	1.712	2.498	2.287	2.249	3.045	3.066	3.077	3.124	2.879	3.229	2.423
CALC. COEF. VAR	.423	.537	.528	.556	.595	.578	.584	.560	.556	.503	.464	.477	.415
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	+1.036	+1.715	+1.902	+2.032	+2.131	+2.204	+2.747	+2.659	+3.004	+3.334	+3.947	+5.537	1.0000
RPI10/A	.2112	.2870	.3211	.3417	.3569	.3645	.4075	.4347	.4847	.5321	.6191	.8722	1.4879
RPS25/A	.2559	.3554	.3986	.4237	.4420	.4498	.5023	.5317	.5938	.6462	.7404	1.0496	.7435
RPS50/A	.2891	.4054	.4552	.4833	.5042	.5121	.5715	.6021	.6735	.7290	.8273	1.1776	1.9253
RPI100/A	.3214	.4543	.5248	.5423	.5651	.5730	.6392	.6707	.7515	.8094	.9113	1.3019	2.1002
RPI1000/A	.4251	.6119	.6893	.7313	.7818	.7966	.8576	.8906	.1.0293	.1.0686	.1.1768	.1.6975	2.6493
RPI10000/A	.5322	.7655	.8628	.9149	.9580	.9566	1.0594	1.1029	1.2474	1.3185	1.4288	2.0770	3.1483
PMP/A	1.0228	1.4680	1.6595	1.7578	1.8272	1.8372	2.0439	2.1988	2.3868	2.5588	2.9050	4.1169	6.4600

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
C20 3397 0 GIANT FOREST 6412 06 165 30E M 36°56' 118°7.67 54

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	5.17	6.80	7.55	8.30	8.87	9.33	9.86	10.61	12.11	13.39	15.74	22.32	40.57
5	6.59	10.30	11.44	12.75	13.27	14.01	14.84	15.60	17.60	19.50	22.43	32.02	55.35
10	9.20	12.84	14.42	15.77	16.76	17.34	18.22	19.26	21.79	23.87	26.73	38.37	62.20
20	10.72	15.15	17.07	16.65	19.80	20.43	21.44	22.53	25.52	27.42	30.73	44.32	72.63
25	11.20	15.89	17.90	19.56	20.76	21.40	22.46	23.55	26.70	28.63	31.47	46.16	75.23
40	12.19	17.41	19.63	21.44	22.75	23.41	24.56	25.66	29.13	31.13	32.58	50.01	80.59
50	12.65	18.13	20.44	22.32	23.68	24.36	25.55	26.67	30.28	32.30	35.72	51.81	83.08
100	14.07	20.31	22.93	25.03	26.54	27.26	28.58	29.71	33.79	35.88	39.35	57.27	90.62
200	15.24	21.27	24.07	27.05	29.35	30.11	31.34	32.47	37.37	39.39	42.68	62.42	97.95
1000	18.61	24.21	28.76	30.96	33.75	35.11	37.45	40.46	45.09	47.41	51.81	71.88	114.32
10000	22.99	34.21	38.75	42.23	44.71	45.70	46.86	46.86	50.47	58.41	61.73	91.37	121.71
PMP	44.73	65.65	74.53	81.14	85.81	87.80	91.39	95.55	108.49	113.36	125.43	181.11	278.75

MEAN	5.717	7.669	8.542	9.380	10.008	10.486	11.064	11.782	13.506	14.770	17.042	24.360	43.150
CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.360	1.685	1.844	2.124	2.127	1.154	1.099	1.940	1.566	1.499	1.433	1.303	.382
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	4.986	4.531	4.770	4.403	5.114	4.851	4.450	4.556	3.284	2.805	2.602	2.034	2.757
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1947	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	12.900	18.710	21.740	25.470	27.600	27.750	27.750	29.430	29.450	31.550	32.780	41.260	78.560
NORMALIZED MAX	2.539	2.724	2.789	3.041	3.403	3.330	3.281	3.359	2.946	2.782	2.378	1.804	2.511
CALC. COEF. VAR	.495	.528	.554	.532	.517	.494	.460	.446	.401	.408	.388	.385	.327
REGN. COEF. VAR	.455	.504	.516	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.516	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1325	.1777	.1980	.2174	.2319	.2430	.2564	.2730	.3130	.3423	.3950	.5645	1.0000
RPI10/A	.2132	.2975	.3342	.3656	.3885	.4019	.4223	.4463	.5050	.5463	.6195	.8892	1.4879
RPS25/A	.2595	.3683	.4149	.4533	.4811	.4959	.5205	.5459	.6187	.6634	.7409	1.0701	1.7435
RPS50/A	.2932	.4201	.4738	.5173	.5468	.5645	.5922	.6181	.7017	.7495	.8278	1.2006	1.9253
RPI100/A	.3260	.4768	.5315	.5801	.6151	.6319	.6624	.6866	.7303	.8314	.918	1.3273	2.1002
RPI1000/A	.4251	.6119	.7028	.7898	.9786	1.0362	1.0595	1.1086	1.1324	1.1995	1.3557	1.4307	2.1176
RPI10000/A	.5327	.7028	.7986	.9786	1.0362	1.0595	1.1086	1.1324	1.1995	1.3557	1.4307	2.1176	3.1483
PMP/A	1.0367	1.5214	1.7272	1.8804	1.9888	2.0255	2.1179	2.2143	2.4680	2.6272	2.9069	4.1974	6.4600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB C20 4890 0 LEMON COVE 513 02 1A5 27E N M 36.383 119.025 54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	3D	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.05	2.22	2.38	2.54	2.67	2.87	3.11	3.64	4.09	4.97	7.00	14.25
5	2.50	3.13	3.43	3.66	3.89	4.04	4.31	4.63	5.38	5.95	7.09	10.05	17.98
10	3.03	3.86	4.25	4.53	4.80	4.97	5.30	5.65	6.56	7.20	8.45	12.04	20.97
20	3.53	4.55	5.02	5.35	5.67	5.95	6.23	6.61	7.66	8.37	9.71	13.91	23.72
25	3.69	4.78	5.27	5.61	5.95	6.13	6.53	6.91	7.94	8.74	10.10	13.29	24.57
40	4.02	5.24	5.81	6.15	6.52	6.81	7.14	7.60	8.77	9.90	10.29	15.69	27.32
50	4.17	5.46	6.02	6.41	6.78	6.98	7.43	7.82	9.11	9.86	11.28	16.25	27.13
100	4.64	6.11	6.75	7.18	7.60	7.81	8.31	8.71	10.17	10.95	12.43	17.97	29.59
200	5.09	6.76	7.47	7.95	8.41	8.63	9.18	9.59	11.21	12.02	13.55	19.65	31.99
1000	6.13	8.24	9.11	9.69	10.24	10.49	11.15	11.57	13.57	14.45	16.05	23.43	37.33
10000	7.58	10.30	11.41	12.12	12.81	13.09	13.91	14.33	16.84	17.83	19.50	28.67	44.65
PMP	14.74	19.76	21.94	23.23	24.58	25.04	26.57	28.02	32.05	34.61	39.63	56.83	91.03

MEAN	1.884	2.308	2.515	2.692	2.867	3.004	3.217	3.455	4.065	4.509	5.3R4	7.643	14.091
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.711	1.313	1.045	1.155	1.076	1.040	1.160	1.151	1.344	1.299	1.266	1.345	1.829
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.300	1.100	1.200	1.000
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.300	1.100	1.200	1.000

KURTOSIS	6.055	4.995	3.595	3.735	3.315	3.248	4.117	4.194	4.824	4.699	5.209	5.248	8.988
N	75	75	75	75	75	75	75	75	75	75	75	75	75
RFCORO YEAR	1901	1967	1967	1967	1967	1967	1969	1969	1907	1907	1907	1969	1907
RECORD MAXIMUM	4,060	5,340	5,400	5,910	6,150	6,150	7,780	8,300	9,650	10,680	13,250	17,970	39,980
NORMALIZED MAX	2,779	3,244	2,878	2,769	2,661	2,559	3,454	3,655	3,222	3,424	3,773	3,465	4,706
CALC. COEF. VAR	.416	.405	.399	.432	.430	.411	.411	.405	.406	.400	.395	.390	.390
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.498	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.445	.504	.515	.510	.505	.499	.498	.474	.459	.445	.424	.429	.364

MEAN/A	.1337	.1638	.1784	.1910	.2034	.2139	.2283	.2452	.2885	.3200	.3851	.5424	1.0000
RP10/A	.2152	.2742	.3013	.3212	.3408	.3525	.3750	.4080	.4455	.5107	.6992	.8564	1.7079
RP25/A	.2070	.2335	.2470	.2600	.2740	.2870	.3030	.3200	.3450	.3762	.4202	.7167	1.7435
RP50/A	.0569	.0672	.0771	.0846	.0946	.0952	.0954	.0951	.0951	.0957	.0997	.0808	.1536
RP100/A	.3291	.4339	.4791	.5097	.5395	.5542	.5897	.6183	.7216	.7772	.8821	.1,2753	2.1002
RP1000/A	.4352	.5844	.6467	.6873	.7269	.7492	.7912	.8210	.9631	j.0256	j.1392	.1,6629	2.6493
RP10000/A	.5377	.7307	.8095	.8599	.9089	.9290	.9869	.1,0167	.1,977	.1,2655	.1,3841	2,0346	3,1683
PMP/A	1.0463	1.4022	1.5570	1.6522	1.7444	1.7768	1.8855	1.9882	2.2746	2.4559	2.8122	4.0329	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB C20 4914 0 THREE RIVERS PH 2 950 07 175 29E Q M 36.461 118.811 54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.74	3.55	3.76	3.95	4.06	4.29	4.67	5.04	5.68	6.59	7.89	11.00	20.39
5	4.03	5.42	5.80	6.07	6.21	6.49	7.03	7.51	8.38	9.59	11.26	15.78	27.66
10	4.88	6.70	7.18	7.51	7.67	7.98	8.63	9.16	10.22	11.60	13.39	18.91	32.26
20	5.69	7.91	8.50	8.88	9.06	9.40	10.16	10.71	11.97	13.49	15.40	21.84	36.49
40	5.94	8.29	8.91	9.31	9.59	10.64	11.62	12.20	14.22	14.08	16.42	22.77	37.80
50	6.47	9.08	9.77	10.40	10.84	11.84	12.61	13.46	15.00	15.32	17.65	20.49	34.94
100	6.74	9.66	10.18	10.88	11.52	12.21	13.08	13.88	15.09	15.90	17.53	20.53	34.74
200	7.46	10.40	11.42	11.91	12.14	12.55	13.54	14.13	15.84	17.65	19.72	22.22	45.54
1000	9.87	14.27	15.41	16.06	16.36	16.85	18.17	18.76	21.14	23.29	25.46	36.80	57.44
10000	12.23	17.85	19.29	20.09	20.46	21.03	22.66	23.23	26.29	28.74	30.93	45.03	68.69
PMP	23.73	34.25	37.10	36.61	39.27	40.23	43.29	45.43	49.93	55.77	62.95	89.26	140.06

MEAN	3.033	4.001	4.252	4.463	4.579	4.826	5.241	5.601	6.333	7.266	8.540	12.005	21.682
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.961	1.490	1.370	1.384	1.339	1.234	1.459	1.507	1.252	1.117	.988	1.491	.866
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.300	1.100	1.200	1.000
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.300	1.100	1.200	1.000

KURTOSIS	7.222	4.820	4.078	4.258	4.425	4.961	4.720	4.915	4.329	4.131	3.610	6.193	3.411
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7,900	9,930	10,100	11,340	11,680	11,850	13,870	14,420	15,750	17,180	18,790	29,390	44,850
NORMALIZED MAX	2,660	2,493	2,250	2,507	2,580	2,518	2,693	2,723	2,719	2,699	2,555	3,100	2,474
CALC. COEF. VAR	.663	.595	.611	.615	.601	.578	.611	.578	.547	.506	.449	.445	.432
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1399	.1845	.1961	.2058	.2112	.2226	.2417	.2583	.2921	.3351	.3939	.5537	1.0000
RP10/A	.2251	.3088	.3311	.3462	.3538	.3681	.3981	.4223	.4413	.5338	.5678	.8727	1.4779
RP25/A	.2741	.3822	.4110	.4292	.4381	.4482	.4907	.5155	.5727	.6398	.7388	1.0765	1.7435
RP50/A	.3096	.4681	.4669	.4994	.5177	.5293	.5849	.6585	.7328	.8255	1.1775	1.9253	
RP100/A	.4234	.4888	.5265	.5493	.5661	.5787	.6245	.6515	.7306	.8140	.9693	1.2018	2.1002
RP1000/A	.4553	.6584	.7107	.7407	.7546	.7772	.8379	.8652	.9751	.1,0741	.1,1743	1.6794	2.6493
RP10000/A	.5625	.8231	.8897	.9267	.9436	.9701	.1,0451	.1,1216	.1,2323	.1,3253	.1,4267	.2,0766	3.1683
PMP/A	1.0946	1.5796	1.7112	1.7806	1.8111	1.0554	1.9968	2.0952	2.5722	2.8988	4.1166	6.4600	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB C20 8917 0 THREE RIVERS PM 1 1140 08 175 29E K M 36+466 118+8A1 SA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.67	3.33	3.64	3.73	3.87	4.08	4.20	4.63	5.21	6.14	7.36	10.05	18.63
5	3.93	5.09	5.61	5.72	5.92	6.16	6.33	6.89	7.69	8.94	10.49	14.41	25.28
10	4.76	6.29	6.95	7.08	7.32	7.58	7.77	8.41	9.37	10.81	12.50	17.27	29.48
20	5.55	7.43	8.23	8.37	8.64	8.92	9.15	9.83	10.9	12.57	14.4	19.95	33.35
25	5.79	7.79	8.6	8.7	9.06	9.35	9.56	10.23	11.21	12.53	14.7	15.23	20.4
50	6.31	8.53	9.6	9.6	9.93	10.23	10.49	11.21	12.53	14.7	15.23	20.4	35.55
50	6.55	8.88	9.86	10.02	10.34	10.64	11.90	12.64	13.02	14.41	16.70	23.32	38.15
100	7.28	9.95	11.05	11.23	11.58	11.91	12.19	12.97	14.53	16.45	18.39	25.79	41.61
200	8.00	11.01	12.24	12.43	12.81	13.16	13.46	14.27	16.01	18.06	20.05	28.19	44.98
1000	9.63	13.41	14.93	15.15	15.61	16.00	16.36	17.22	19.39	21.71	23.76	33.62	52.49
10000	11.89	16.76	18.68	18.95	19.51	19.97	20.40	21.32	24.11	26.79	28.86	41.14	62.78
PHP	23.14	32.17	35.94	36.41	37.66	38.19	38.98	41.70	45.79	51.97	58.64	81.54	12R.00
MEAN	2.957	3.758	4.119	4.210	4.368	4.582	4.719	5.142	5.807	6.772	7.968	10.968	19.814
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.309	1.756	1.525	1.459	1.640	1.575	1.523	1.498	1.164	.873	.693	.562	.705
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
KURTOSIS	4.000	5.572	4.792	4.503	5.484	5.125	4.985	5.110	3.690	2.939	2.575	2.753	3.236
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	5.690	9.750	10.340	10.510	12.160	12.160	12.160	12.810	13.070	14.020	15.040	19.960	36.510
NORMALIZED MAX	1.778	2.500	2.490	2.441	2.297	2.734	2.608	2.608	2.492	2.319	2.070	2.199	2.254
CALC. COEF. VAR	.520	.630	.607	.608	.607	.605	.571	.571	.562	.461	.429	.33	.374
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.349	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.349	.364
MEAN/A	.1943	.1897	.2079	.2125	.2204	.2312	.2382	.2595	.2931	.3418	.4021	.5555	1.0000
RP10/A	.2402	.3175	.3307	.3573	.3782	.3942	.4022	.4424	.4747	.5454	.6777	.8188	.9179
RP25/A	.2954	.3931	.4030	.4093	.4109	.4184	.4193	.5189	.5753	.6624	.7543	.9492	.9745
RP50/A	.3704	.4493	.4475	.5656	.5371	.5500	.5875	.5570	.7482	.8248	.1.7772	.1.9253	
RP100/A	.3373	.5264	.5581	.5669	.5846	.6011	.6153	.6545	.7331	.8301	.9284	.1.3014	.2.1002
RP1000/A	.4858	.6767	.7533	.7645	.7877	.8073	.8255	.8691	.9784	1.0954	1.1989	.1.6969	.2.6949
RP10000/A	.6002	.8461	.9430	.9565	.9849	1.0076	1.0297	1.0762	1.2167	1.3516	1.4566	2.0762	3.1683
PHP/A	1.16R0	1.6236	1.8137	1.8378	1.8903	1.9273	1.9672	2.1046	2.3107	2.6231	2.9596	4.1154	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB C30 1300 0 CALIFORNIA HOT SPRINGS 2950 36 235 30E R M 35+883 118+6A3 SA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.45	3.21	3.59	4.07	4.35	4.65	4.96	5.45	6.53	7.12	8.62	12.02	22.01
5	3.59	4.91	5.53	6.25	6.65	7.04	7.46	8.12	9.64	10.37	12.27	17.24	29.86
10	4.38	6.07	6.85	7.73	8.22	8.65	9.16	9.9	11.76	12.54	14.63	20.66	34.83
20	5.08	7.16	8.11	9.14	9.71	10.19	10.78	11.58	13.77	14.58	16.81	23.87	39.40
25	5.77	7.51	8.51	9.58	10.17	10.67	11.29	12.11	14.4	15.23	17.49	24.87	40.81
40	5.77	8.03	9.3	10.5	11.5	11.64	12.35	13.2	15.72	16.55	17.83	26.94	43.71
50	5.99	8.57	9.7	10.93	11.51	12.15	12.8	13.18	14.3	15.18	16.55	17.83	26.94
100	6.66	9.6	10.9	12.26	13.01	13.6	14.37	15.27	18.23	19.18	19.58	27.79	45.16
200	7.32	10.62	12.06	13.56	14.39	15.2	15.87	16.81	20.29	20.95	24.46	33.72	53.3
1000	8.81	12.93	14.71	16.53	17.52	18.27	19.21	20.28	24.32	25.18	27.80	40.22	62.01
10000	10.89	16.17	18.41	20.68	21.91	22.80	24.05	25.12	30.25	31.07	33.78	49.21	74.16
PHP	21.18	31.02	35.42	39.74	42.06	43.60	45.95	49.12	57.45	60.29	68.64	97.54	151.20
MEAN	2.707	3.624	4.099	4.595	4.905	5.231	5.563	6.056	7.286	7.855	9.325	13.119	23.406
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.660	1.270	1.032	.722	.639	.750	.769	.946	.787	.1.000	1.600	1.169	.392
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
KURTOSIS	2.965	4.064	4.544	2.934	2.716	3.078	3.152	3.767	3.189	3.589	5.597	4.321	2.764
N	31	31	31	31	31	31	31	31	31	31	31	31	31
RECORD YEAR	1914	1909	1909	1914	1914	1909	1909	1909	1909	1909	1909	1909	1909
RECORD MAXIMUM	4.100	7.550	7.760	8.300	9.150	9.866	9.950	12.350	14.666	15.320	20.310	25.740	38.590
NORMALIZED MAX	1.485	2.398	2.160	2.111	2.145	2.025	2.136	2.757	2.570	2.594	2.892	2.663	2.180
CALC. COEF. VAR	.346	.452	.422	.388	.404	.401	.369	.377	.394	.366	.407	.361	.298
REGN. COEF. VAR	.455	.504	.515	.510	.505	.490	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.490	.484	.474	.459	.445	.424	.429	.364
MEAN/A	.1157	.1548	.1734	.1963	.2096	.2235	.2377	.2587	.3113	.3356	.3984	.5605	1.0000
RP10/A	.1861	.2591	.2928	.3301	.3510	.3696	.3914	.4230	.5023	.5356	.6250	.8828	1.4879
RP25/A	.226	.319	.335	.403	.4093	.4511	.4822	.5175	.6153	.6505	.7474	1.025	1.7435
RP50/A	.3659	.4369	.4499	.4599	.4599	.5172	.5498	.5749	.676	.739	.8151	1.1242	1.9253
RP100/A	.2564	.4101	.4656	.5239	.5557	.5011	.6140	.6526	.7787	.8152	.9139	.9138	2.02
RP1000/A	.3765	.5524	.6285	.7064	.7847	.7804	.8283	.8665	1.0393	1.0757	1.1879	1.7183	2.4493
RP10000/A	.4651	.6906	.7867	.8837	.9362	.9740	1.0276	1.0731	1.2924	1.3273	1.4432	2.1025	3.1663
PHP/A	.9051	1.3253	1.5132	1.6980	1.7969	1.8630	2.0084	2.4545	2.5759	2.9324	4.1674	6.4600	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 450 ORDER SUB C30 A460 0 STATION NAME SPRINGVILLE RS ELEV 1050 SEC 02 TWP 21S LOT R RW M LATITUDE 36.136 LONGITUDE 118.811 COUNTY 54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOIRS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.59	2.91	3.13	3.30	3.45	3.75	4.09	4.69	5.43	6.45	9.34	14.54
5	3.15	3.96	4.48	4.81	5.04	5.21	5.65	6.10	6.92	7.91	9.19	13.39	22.44
10	3.81	4.88	5.55	5.95	6.23	5.40	6.94	7.43	8.43	9.56	10.95	16.05	26.17
20	4.45	5.74	6.51	7.01	7.45	7.87	8.41	9.21	10.33	11.61	12.81	18.50	29.60
25	4.64	6.89	7.38	7.71	7.90	8.55	9.09	10.33	11.51	12.70	13.10	19.32	30.67
40	5.05	6.63	7.56	8.09	8.45	8.65	9.35	9.91	11.27	12.63	13.35	20.92	32.85
50	5.25	6.90	7.87	8.42	8.80	9.00	9.73	10.29	11.72	13.10	14.64	21.67	33.86
100	5.83	7.73	8.83	9.44	9.86	10.07	10.88	11.47	13.07	14.55	16.12	23.96	36.94
200	6.41	8.55	9.77	10.45	10.91	11.12	12.02	12.62	14.41	15.98	17.57	26.20	39.92
1000	7.71	10.41	11.92	12.74	13.29	13.52	14.60	15.23	17.45	19.20	20.82	31.24	46.60
10000	9.53	13.02	14.92	15.93	16.61	16.87	18.21	18.46	21.70	23.70	25.29	38.23	55.73
PMP	14.55	24.98	26.70	31.62	31.89	32.24	34.80	36.87	41.21	45.99	51.39	75.78	113.62

MEAN	2.370	2.918	3.289	3.539	3.719	3.872	4.213	4.547	5.227	5.992	6.983	10.192	17.589
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.577	2.186	2.687	2.419	2.084	1.905	1.465	1.437	1.891	1.458	1.248	1.323	.568
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	11.442	8.797	11.999	10.235	8.449	7.439	5.347	4.819	6.601	4.910	4.374	4.392	2.400
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORDED MAX HHR	6.020	7.765	10.410	10.900	10.920	10.940	10.940	10.940	13.200	14.200	14.200	21.070	31.270
NORMALIZED MAX	3.020	3.600	3.565	3.316	3.377	3.247	2.970	2.733	3.032	2.734	2.495	2.397	2.245
CALC. COEF. VAR	.508	.539	.585	.592	.572	.559	.536	.511	.537	.507	.460	.445	.349
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1346	.1659	.1870	.2012	.2014	.2202	.2095	.2505	.2972	.3407	.3970	.5704	1.0000
RP10/A	.2109	.2777	.3157	.3784	.3541	.4124	.3945	.4226	.4795	.5436	.6227	.9127	.14779
RP25/A	.2460	.3438	.3919	.4196	.4386	.4492	.4662	.5168	.5474	.6603	.7447	.1.0984	.1.7435
RP50/A	.2983	.3922	.4476	.4789	.5030	.5114	.5532	.5952	.6662	.7469	.8321	.1.2323	.1.9253
RP100/A	.3316	.4395	.5021	.5370	.5607	.5723	.6188	.6519	.7433	.8274	.9165	.1.3623	.2.1002
RP1000/A	.4366	.5920	.6777	.7241	.7554	.7647	.8302	.8657	.9291	.1.0919	.1.1837	.1.7764	.2.6493
RP10000/A	.5419	.7401	.8483	.9059	.9445	.9594	1.0356	1.0720	1.2337	1.3472	1.4381	2.1735	3.1683
PMP/A	1.0545	1.4203	1.6316	1.7407	1.8129	1.8350	1.9785	2.0964	2.3430	2.6146	2.9219	4.3082	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 450 ORDER SUB C40 3465 0 STATION NAME GLENVILLE FULTON R S ELEV 3500 SEC 29 TWP 255 LATITUDE 35.733 LONGITUDE 118.647 COUNTY 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-MOIRS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.25	2.39	2.57	2.72	2.79	2.94	3.21	3.46	4.00	4.61	5.78	8.05	14.31
5	3.30	3.65	3.96	4.17	4.27	4.44	4.83	5.16	5.91	6.72	8.24	11.55	19.42
10	4.00	4.40	4.90	5.16	5.27	5.46	5.63	6.29	7.21	8.12	9.85	13.80	22.65
20	4.66	5.32	5.80	6.11	6.23	6.43	6.97	7.35	8.44	9.26	11.29	16.95	29.62
25	4.79	5.36	6.09	6.44	6.63	6.78	7.30	7.69	8.83	9.86	11.75	16.65	24.54
40	5.19	6.11	6.67	7.02	7.15	7.37	7.99	8.38	9.63	10.73	11.97	18.04	28.43
50	5.50	6.36	6.95	7.31	7.44	7.67	8.31	8.71	10.01	11.13	13.12	18.68	29.31
100	6.11	7.13	7.80	8.19	8.34	8.58	9.29	9.70	11.17	12.33	14.46	20.66	31.97
200	6.71	7.88	8.63	9.06	9.23	9.48	10.26	10.67	12.47	13.31	15.75	22.58	34.55
1000	8.08	9.66	10.52	11.05	11.24	11.59	12.47	12.88	14.91	16.31	18.67	26.93	40.33
10000	9.98	12.01	13.17	13.82	14.06	14.38	15.55	15.95	18.54	20.13	22.66	32.95	48.23
PMP	19.43	23.04	25.34	26.98	26.98	27.51	29.72	31.19	35.22	39.06	46.09	65.32	98.34

MEAN	2.483	2.692	2.904	3.070	3.146	3.300	3.598	3.845	4.466	5.090	6.262	8.785	15.223
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.095	.423	.323	.282	.160	.417	1.047	1.291	1.045	1.106	.559	1.317	.745
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	4.131	2.868	2.865	3.345	3.490	3.557	4.796	5.723	4.992	5.097	4.222	6.352	4.172
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORDED MAXIMUM	4.900	4.910	5.430	5.820	5.830	6.090	8.240	9.360	10.640	12.270	13.200	23.900	34.000
NORMALIZED MAX	1.496	1.768	1.957	2.179	2.188	2.017	2.725	2.935	2.815	2.615	3.475	2.559	2.579
CALC. COEF. VAR	.513	.651	.645	.610	.600	.619	.74	.889	.490	.501	.458	.459	.490
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1631	.1768	.1908	.2017	.2067	.2168	.2363	.2526	.2934	.3343	.4113	.5771	1.0000
RP10/A	.2625	.2959	.3221	.3394	.3482	.3595	.3892	.4129	.4736	.5336	.6452	.9090	.14879
RP25/A	.3164	.3664	.3708	.4206	.4248	.4423	.4707	.5052	.5799	.6480	.7716	.1.0940	.1.7435
RP50/A	.3610	.4179	.4566	.4880	.4891	.5036	.5454	.5719	.6578	.7311	.8622	.1.2274	.1.9253
RP100/A	.4014	.4683	.5122	.5202	.5481	.5636	.6105	.6371	.7340	.8121	.9497	.1.3569	.2.1002
RP1000/A	.5369	.6308	.6913	.7258	.7384	.7569	.8192	.8460	.9790	.1.0716	.1.2264	.1.7692	.2.6493
RP10000/A	.6559	.7887	.8654	.9080	.9233	.9447	.1.0218	.1.0477	.1.2181	.1.3222	.1.4900	.2.1648	.3.1683
PMP/A	1.2764	1.5135	1.6644	1.7446	1.7722	1.8068	1.9522	2.0487	2.3135	2.5666	3.0275	4.2999	6.4600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY CODE  
85 ORDER SUB KERN CANYON PH PG+E 700 06 295 30F R M 35.461 118.795 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.04	1.17	1.26	1.35	1.47	1.55	1.71	1.87	2.18	2.45	2.80	3.88	7.79
5	1.53	1.79	1.95	2.08	2.25	2.35	2.57	2.78	3.21	3.57	3.99	5.57	10.56
10	1.85	2.21	2.41	2.57	2.78	2.89	3.15	3.39	3.92	4.32	4.76	6.67	12.32
20	2.16	2.60	2.86	3.04	3.28	3.40	3.71	3.97	4.55	5.03	5.47	7.71	13.94
25	2.25	2.73	3.00	3.18	3.44	3.56	3.89	4.15	4.80	5.25	5.69	8.03	14.44
50	2.55	3.11	3.42	3.63	3.93	4.05	4.47	4.69	5.24	5.71	6.80	8.70	15.47
100	2.84	3.49	3.84	4.07	4.40	4.54	4.95	5.23	5.87	6.58	7.01	9.96	17.39
200	3.12	3.86	4.25	4.51	4.87	5.01	5.44	5.75	6.65	7.22	7.63	10.89	18.80
1000	3.75	4.70	5.18	5.49	5.93	6.09	6.64	6.94	8.11	8.68	9.05	12.99	21.94
10000	4.43	5.88	6.49	6.87	7.41	7.60	8.28	8.66	10.08	10.71	11.99	15.89	26.24
PMP	9.07	11.28	12.47	13.20	14.23	14.54	15.81	16.82	19.15	20.79	22.33	31.50	53.50

MEAN	1.152	1.318	1.430	1.526	1.660	1.745	1.915	2.074	2.428	2.708	3.035	4.236	8.281
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.858	.776	.779	.678	.595	.401	.821	.129	.594	.414	.1326	.548	
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	

KURTOSIS	3.897	2.932	3.315	3.196	3.279	2.927	3.718	4.832	4.163	2.587	2.633	6.410	3.809
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1917	1938	1938	1938	1938	1938	1969	1917	1933	1969	1969	1969	1969
RECORD MAXIMUM	1.640	1.930	2.390	2.670	2.850	2.850	3.400	4.120	4.340	4.500	5.160	9.670	14.870
NORMALIZED MAX	1.693	1.734	2.256	2.313	2.294	2.092	2.457	2.794	2.385	1.972	2.135	3.339	2.647
CALC. COEF. VAR	.250	.268	.298	.324	.313	.303	.316	.353	.330	.335	.328	.384	.301
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.449	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1391	.1591	.1726	.1843	.2004	.2107	.2312	.2504	.2392	.3270	.3665	.5116	1.0000
RPI0/A	.2239	.2663	.2915	.3100	.3357	.3484	.3804	.4093	.4731	.5219	.5178	.8058	1.4879
RPI2/A	.2728	.3237	.3422	.3721	.4155	.4489	.4802	.5217	.5745	.6269	.6694	.9637	1.7435
RPS0/A	.3091	.3761	.4215	.4387	.4492	.4884	.5340	.5659	.5754	.7151	.7881	.1.0880	1.5533
RPI100/A	.3244	.4215	.4635	.4918	.5315	.5477	.5973	.6151	.7335	.7943	.8460	1.2028	2.1002
RPI1000/A	.4529	.5677	.6256	.6633	.7161	.7356	.8014	.8386	.9709	.1.0482	.1.0926	1.5683	2.4493
RPI10000/A	.5595	.7098	.8781	.8954	.9182	.9996	1.0385	1.2174	1.2933	1.3274	1.9189	3.1863	1.6183
PMP/A	1.0888	1.3620	1.5063	1.5944	1.7186	1.7561	1.8094	2.0307	2.3121	2.5100	2.6971	3.8036	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY CODE  
85 ORDER SUB KERN RIV INTAKE 3 SCE 3642 12 235 32E F M 35.945 118.476 54

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	3.19	3.55	3.74	3.98	4.24	4.59	4.95	5.40	5.81	6.93	9.61	14.76
5	3.61	4.88	5.47	5.75	6.09	6.41	6.91	7.37	7.99	8.46	9.88	13.79	21.39
10	4.38	6.03	6.78	7.11	7.53	7.88	8.45	8.98	9.72	10.23	11.77	16.52	24.94
20	5.10	7.12	8.03	8.41	8.89	9.29	9.99	10.51	11.39	11.90	13.53	19.08	28.22
25	5.33	7.42	8.42	8.84	9.32	9.73	10.46	10.99	11.91	12.43	14.08	19.88	29.23
50	5.68	7.81	8.92	9.26	9.81	10.21	10.94	11.52	12.44	13.11	13.51	17.73	25.31
100	6.02	8.51	9.64	10.06	10.63	11.04	11.74	12.41	13.51	14.42	15.73	20.31	28.28
200	6.69	9.54	10.78	11.28	11.92	12.39	13.37	13.86	15.08	15.57	17.33	24.66	35.21
1000	7.35	10.55	11.93	12.48	13.18	13.69	14.71	15.25	16.62	17.10	18.68	26.96	38.05
10000	8.85	12.85	14.55	15.21	16.05	16.65	17.87	18.41	20.12	20.55	22.38	32.15	44.42
PMP	10.94	16.07	18.22	19.03	20.07	20.74	22.29	22.79	25.02	25.33	27.19	39.34	53.12

MEAN	2.720	3.602	4.016	4.227	4.493	4.768	5.155	5.495	6.027	6.412	7.505	10.489	16.765
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.4134	4.075	3.885	3.858	3.618	3.571	3.272	3.167	2.886	2.402	2.285	1.360	1.145
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	

KURTOSIS	24.743	24.465	22.816	23.171	21.082	20.802	17.701	16.921	14.684	14.240	11.284	5.227	4.269
N	51	51	51	51	51	51	51	51	51	51	51	51	51
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	13.020	19.840	22.040	22.840	23.570	24.370	24.910	25.110	25.110	26.240	26.240	29.930	40.790
NORMALIZED MAX	4.848	5.286	5.377	5.529	5.462	5.223	5.155	4.932	4.911	4.552	3.316	3.109	
CALC. COEF. VAR	.775	.853	.836	.796	.777	.756	.734	.692	.662	.630	.548	.559	.461
REGN. COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.449	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1622	.2149	.2396	.2521	.2680	.2844	.3075	.3278	.3595	.3624	.4477	.6256	1.0000
RPI10/A	.2611	.3596	.4045	.4240	.4649	.4903	.5064	.5358	.5801	.6103	.7022	.8054	1.4879
RPI2/A	.3142	.4122	.4642	.4842	.5152	.5452	.5752	.6052	.6352	.6722	.7122	.8188	1.5355
RPS0/A	.3591	.5070	.5734	.6000	.6362	.6600	.7102	.7421	.8050	.8363	.8833	.9330	1.9253
RPI100/A	.3993	.5691	.6432	.6728	.7168	.7393	.7944	.8267	.8993	.9289	.9435	.9710	2.1002
RPI1000/A	.5281	.7666	.8082	.9073	.9576	.9929	1.0558	1.0577	1.2003	1.2258	1.3347	1.9180	2.6493
RPI10000/A	.6524	.9584	1.0867	1.1351	1.1974	1.2393	1.3295	1.3594	1.4926	1.5125	1.6216	2.3468	3.1683
PMP/A	1.2695	1.8391	2.0902	2.1809	2.3703	2.5400	2.6584	2.8347	2.9353	3.2948	4.6517	6.4600	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
ASN ORDER SUB  
C50 4520 0 KERN RIV PH NO 1

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	165D
2	1.31	1.53	1.61	1.90	2.05	1.99	2.11	2.41	2.78	3.14	3.62	5.17	10.38
5	1.92	2.34	2.49	2.91	3.13	3.00	3.19	4.11	4.58	5.16	7.42	14.09	
10	2.33	2.89	3.08	3.60	3.87	3.69	3.91	4.37	5.01	5.54	6.15	8.89	16.42
20	2.72	3.41	3.64	4.26	4.57	4.35	4.60	5.12	5.87	6.44	7.07	10.27	18.58
25	2.84	3.58	3.82	4.47	4.79	4.55	4.81	5.35	6.14	6.72	7.36	10.70	19.25
40	3.09	3.92	4.19	4.90	5.25	4.98	5.26	5.83	6.70	7.31	7.50	11.59	20.62
50	3.21	4.06	4.36	5.10	5.46	5.18	5.48	6.06	6.96	7.59	8.22	12.67	21.25
100	3.47	4.57	4.90	5.72	6.10	5.80	6.11	6.75	7.57	8.40	9.6	13.27	23.18
200	3.92	5.06	5.42	6.33	6.77	6.44	6.76	7.56	8.45	9.45	9.87	13.51	26.06
1000	4.72	6.16	6.61	7.71	8.25	7.79	8.22	8.96	10.37	11.12	11.70	17.30	29.24
10000	5.83	7.70	8.27	9.65	10.31	9.73	10.25	11.10	12.89	13.72	14.21	21.17	34.97
PMP	11.34	14.78	15.91	16.54	19.79	18.60	19.59	21.71	24.49	26.63	28.87	41.97	71.31

MEAN  
CLOCK HR. COH.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

1.450	1.727	1.823	2.143	2.304	2.232	2.371	2.676	3.106	3.470	3.923	5.644	11.038
1.214	1.470	1.640	1.820	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900
1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS  
RECORD N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC., COEF., VAR  
REGN. COEF., VAR  
USED COEF., VAR

6.634	3.689	3.381	3.448	4.773	2.555	2.918	3.218	3.778	2.498	2.478	2.448	2.714
1.27	1.37	1.30	1.26	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
1928	1928	1943	1943	1938	1933	1944	1915	1915	1915	1943	1943	1941
2.770	2.961	3.220	4.000	4.580	3.490	3.930	4.600	5.220	5.620	6.320	9.460	18.210
2.455	2.244	2.493	2.557	2.915	2.055	2.294	2.185	2.529	2.083	1.943	2.080	2.121
.319	.318	.307	.339	.338	.274	.287	.329	.320	.297	.308	.325	.306
.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364
.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
RPMP/A

.1313	.1565	.1652	.1942	.2091	.2022	.2148	.2226	.2814	.3143	.3554	.5113	1.0000
.2114	.2619	.2789	.3265	.3353	.3333	.3538	.3662	.4540	.5016	.5574	.6954	.14.679
.2573	.3243	.3462	.4049	.4338	.4125	.4361	.4646	.5561	.6092	.6667	.8693	.17.735
.2907	.3698	.3954	.4621	.4948	.4657	.4961	.5887	.6300	.6873	.7449	.1.075	.1.925
.3212	.4044	.4511	.5131	.5565	.5550	.6113	.7089	.7655	.8205	.1.0222	.2.1002	
.4275	.5583	.5986	.6387	.7472	.7059	.7442	.7947	.9393	.1.0115	.1.0606	.1.0561	.2.4493
.5241	.6986	.7493	.8742	.9342	.8810	.9288	.1.0052	.1.1681	.1.2431	.1.2973	.1.1810	.1.1893
1.0277	1.3394	1.4412	1.6796	1.7931	1.6852	1.7745	1.9857	2.2184	2.4125	2.6156	3.2019	4.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
ASN ORDER SUB  
C50 4523 0 KERN RIVER P H 3

## ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE

2703 09 255 33E 4 M 35.776 118.445 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.68	2.26	2.48	2.55	2.59	2.65	2.83	3.17	3.52	3.80	4.70	6.53	10.86
5	2.44	3.45	3.82	3.92	3.97	4.07	4.26	4.73	5.20	5.67	6.70	9.37	16.73
10	2.98	4.26	4.73	4.85	4.90	5.01	5.24	5.76	6.26	6.86	7.93	12.23	17.19
20	3.49	5.03	5.60	5.74	5.79	5.90	6.14	6.74	7.42	7.98	9.18	12.97	19.44
25	3.63	5.27	5.87	6.02	6.07	6.14	6.45	7.05	7.77	8.33	9.55	13.51	20.14
40	3.95	5.78	6.44	6.60	6.65	6.76	7.05	7.68	8.44	9.06	9.73	15.16	21.57
50	4.11	6.01	6.71	6.87	6.93	7.03	7.34	7.98	8.81	9.40	10.67	15.16	22.24
100	4.56	6.74	7.52	7.74	7.91	7.96	8.21	8.94	9.33	10.44	11.76	16.84	24.25
200	5.02	7.61	8.33	8.62	8.82	8.99	9.27	9.78	10.83	11.46	12.81	17.32	26.22
1000	6.04	9.08	10.16	10.38	10.46	10.57	11.02	11.81	13.12	13.78	15.18	21.85	30.60
10000	7.46	11.35	12.71	12.99	13.06	13.19	13.75	14.62	16.31	17.00	18.45	26.73	36.59
PMP	14.51	21.78	24.45	24.96	25.10	25.23	26.28	28.59	30.98	32.99	37.48	52.99	74.61

MEAN  
CLOCK HR. COH.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

1.495	2.544	2.802	2.886	2.927	3.027	3.180	3.526	3.929	4.299	5.093	7.127	11.550	
1.140	1.470	1.640	1.720	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900	
1.274	1.707	1.395	1.274	1.199	1.194	9.88	1.600	1.640	1.682	1.657	1.531	1.058	
1.370	4.830	6.300	6.310	6.310	6.310	6.310	6.310	7.090	7.220	9.190	13.030	21.570	
1.824	2.029	2.613	2.664	2.659	2.672	2.472	2.150	2.168	1.799	1.978	2.075	2.383	
.447	.443	.478	.445	.435	.406	.398	.367	.371	.378	.407	.399	.364	
.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364	
.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364	

KURTOSIS  
RECORD N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC., COEF., VAR  
REGN. COEF., VAR  
USED COEF., VAR

4.646	4.316	5.293	4.990	4.666	4.747	3.800	2.803	2.790	2.369	2.777	3.207	4.373	
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
1951	1.93	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.952	1.958	
3.370	4.830	6.300	6.310	6.310	6.310	6.310	6.310	7.090	7.220	9.190	13.030	21.570	
1.824	2.029	2.613	2.664	2.659	2.672	2.472	2.150	2.168	1.799	1.978	2.075	2.383	
.447	.443	.478	.445	.435	.406	.398	.367	.371	.378	.407	.399	.364	
.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364	
.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364	

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
RPMP/A

.1606	.2203	.2426	.2498	.2535	.2691	.2753	.3052	.3402	.3722	.4409	.6171	1.0000
.2584	.3687	.4096	.4201	.4246	.4334	.4534	.4999	.5489	.5939	.6919	.9719	1.4679
.3145	.4565	.5085	.5209	.5258	.5347	.5588	.6103	.6724	.7213	.8271	.1.1697	1.7435
.3554	.5207	.5907	.5946	.5998	.6084	.6354	.6910	.7626	.8138	.9241	.1.3123	1.9253
.4100	.5835	.6514	.6667	.6722	.6813	.7111	.7694	.8519	.9040	.1.0117	.1.4506	2.1002
.5227	.6865	.7872	.8950	.9056	.9150	.9381	.9652	.1.0182	.1.1233	.1.2146	.1.4506	2.4363
.6457	.9827	1.1006	1.1247	1.1324	1.1421	1.1902	1.2569	1.4123	1.4780	.5371	.5146	3.1693
1.2566	1.4985	2.1161	2.1734	2.1844	2.1944	2.2737	2.4475	2.6823	2.8564	3.2451	4.5878	6.6460

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB KERNVILLE 2650 35°73' 118°43' 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.78	2.02	2.14	2.26	2.41	2.61	2.83	3.31	3.62	4.35	5.76	9.10
5	2.12	2.73	3.11	3.29	3.46	3.65	3.93	4.22	4.88	5.28	6.20	8.26	17.34
10	2.57	3.37	3.85	4.07	4.27	4.48	4.82	5.14	5.95	6.38	7.39	9.90	14.39
20	3.00	3.97	4.56	4.88	5.05	5.28	5.61	6.01	6.94	7.42	8.47	11.64	14.28
25	3.24	4.17	4.80	5.05	5.25	5.56	5.94	6.35	7.32	7.75	8.83	11.92	16.87
40	3.41	4.57	5.24	5.53	5.80	6.15	6.50	6.85	7.95	8.43	9.00	12.91	19.07
50	3.54	4.75	5.46	5.75	6.04	6.30	6.76	7.12	8.27	8.74	9.87	13.37	14.63
100	3.94	5.33	6.12	6.45	6.77	7.05	7.55	7.93	9.23	9.71	10.87	14.78	20.32
200	4.33	5.89	6.77	7.14	7.49	7.79	8.35	8.72	10.17	10.66	11.85	16.16	21.96
1000	5.21	7.17	8.26	8.70	9.12	9.47	10.15	10.53	12.32	12.82	14.04	19.28	25.63
10000	6.43	8.97	10.34	10.48	11.40	11.82	12.66	13.04	15.32	15.81	17.06	23.58	30.65
PHM	12.59	17.21	19.89	20.91	21.88	22.66	24.19	25.49	30.19	30.49	34.68	46.75	62.49

MEAN	1.600	2.111	2.280	2.417	2.552	2.712	2.924	3.144	3.690	3.988	4.710	6.288	9.574
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.220	1.307	1.039	.873	.854	.866	.871	.860	.841	.834	.800	1.451	.952
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	3.848	3.948	3.087	2.683	2.689	2.785	3.086	3.050	4.053	5.384	6.844	5.802	4.444
N	34	34	34	34	34	34	34	34	34	34	34	34	42
RECORD YEAR	1916	1916	1916	1916	1916	1909	1916	1916	1916	1916	1916	1916	1909
RECORD MAXIMUM	3.250	4.930	5.330	5.430	5.430	5.900	5.300	7.150	9.730	11.400	14.300	19.930	21.220
NORMALIZED MR.	1.240	2.49	2.57	2.79	2.79	2.71	2.00	2.49	2.86	3.27	3.50	3.600	2.1
CALC. COEF. VAR.	.526	.600	.667	.600	.581	.580	.531	.541	.551	.564	.572	.547	.402
REGN. COEF. VAR.	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR.	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1654	.2978	.2357	.2749	.2633	.2803	.3157	.3249	.3815	.4133	.4686	.6499	1.0000
RP10/A	.1652	.2979	.2359	.2750	.2622	.2804	.3159	.3254	.3812	.4132	.4685	.6499	1.0000
RP25/A	.3220	.4307	.4193	.4193	.4053	.5749	.6144	.6400	.7540	.8010	.9132	.9290	1.4245
RP50/A	.3661	.4913	.5641	.5947	.5242	.6511	.6991	.7357	.8552	.9037	1.0264	1.3922	1.9253
RP100/A	.4070	.5505	.6328	.6668	.5969	.7287	.7819	.8195	.9542	.1.0299	1.1240	1.5281	2.1002
RP1000/A	.5383	.7616	.8584	.8992	.9265	.9784	1.0491	1.0882	1.2735	1.3247	1.4515	1.9295	2.693
RP10000/A	.6651	.9271	1.0691	1.1250	1.1786	1.2214	1.3087	1.3476	1.5837	1.6345	1.7635	2.4379	3.1683
PHM/A	1.2942	1.7791	2.0564	2.1615	2.2621	2.3336	2.5002	2.6753	3.0078	3.1720	3.5931	4.8324	6.4600

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB ONYX 2 2700 26S 35E M 35°68' 118°23' 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.38	1.73	1.92	1.97	2.05	2.18	2.35	2.54	2.79	2.96	3.55	5.16	8.37
5	2.02	2.65	2.96	3.03	3.16	3.29	3.54	3.78	4.12	4.31	5.06	7.60	11.35
10	2.45	3.27	3.67	3.74	3.90	4.04	4.31	4.61	5.02	5.21	6.03	8.87	13.24
20	2.86	3.87	4.34	4.43	4.61	4.76	5.12	5.40	5.88	6.07	6.94	10.25	14.97
25	2.94	4.05	4.55	4.64	4.83	4.99	5.34	5.64	6.15	6.33	7.10	10.86	15.51
40	3.25	4.44	5.09	5.09	5.49	5.46	5.87	6.15	6.91	7.35	11.57	16.51	
50	3.77	4.62	5.20	5.30	5.51	5.68	6.10	6.29	6.97	7.14	8.06	11.98	17.13
100	3.75	5.18	5.83	5.94	6.17	6.36	6.83	7.12	7.78	7.94	8.86	13.25	18.68
200	4.12	5.73	6.46	6.57	6.83	7.02	7.55	7.83	8.58	8.71	9.68	14.48	20.19
1000	4.95	6.98	7.88	8.01	8.32	8.55	9.16	9.45	10.39	10.47	11.47	17.27	23.57
10000	6.12	8.73	9.86	10.03	10.40	10.66	11.42	11.70	12.92	12.92	13.93	21.13	24.19
PHM	11.91	16.75	18.56	19.28	19.96	20.38	21.83	22.86	24.53	25.08	28.31	41.89	57.47

MEAN	1.592	1.956	2.173	2.227	2.328	2.445	2.642	2.822	3.111	3.267	3.846	5.634	8.896
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.474	1.485	1.596	1.639	1.827	1.429	1.806	1.785	1.911	1.935	1.826	1.764	.985
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.000

KURTOSIS	2.949	4.887	5.167	4.917	6.245	5.545	6.014	6.193	7.208	7.067	7.626	7.183	4.531
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1969	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.540	4.180	5.350	5.350	6.180	6.180	6.050	7.486	8.311	8.310	9.390	15.010	18.930
CALC. COEF. VAR.	1.689	2.399	2.643	3.073	2.922	2.901	3.054	3.274	3.213	3.381	3.352	2.768	
REGN. COEF. VAR.	.396	.475	.553	.570	.588	.582	.584	.541	.511	.480	.426	.497	.408
USED COEF. VAR.	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR.	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1711	.2199	.2443	.2503	.2611	.2749	.2970	.3172	.3497	.3673	.4324	.6333	1.0000
RP10/A	.1753	.3861	.424	.4210	.4285	.424	.5185	.5145	.5045	.4561	.4782	.5975	1.479
RP25/A	.3355	.555	.512	.5228	.5229	.6029	.6431	.6913	.7118	.8111	.1.0005	.1.435	
RP50/A	.3787	.5198	.5847	.5957	.6192	.6396	.6860	.7181	.7840	.8301	.9062	.1.3469	1.9253
RP100/A	.4211	.5825	.6558	.6680	.6940	.7146	.7673	.7999	.8749	.8921	.9982	1.0490	2.0102
RP1000/A	.5569	.7846	.8853	.9008	.9350	.9581	.9795	.1.0622	.1.1677	.1.1722	.1.2891	.1.9415	2.4493
RP10000/A	.6880	.9810	1.1082	1.1269	1.1961	1.1979	1.2842	1.3154	1.4520	1.5662	2.3756	3.1683	
PHM/A	1.3349	1.8825	2.314	2.1653	2.2439	2.2912	2.4535	2.5723	2.7576	2.8188	3.1823	4.7087	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
PSN ORDER SUB  
C50 9754 0 WOFORD HEIGHTS 2700 32 255 73E M 35°7'17" 118°4'40" 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	20	3D	40	5D	60	80	100	150	200	300	600	3650
2	1.74	2.17	2.44	2.56	2.57	2.66	2.77	3.10	3.39	3.45	4.25	5.87	9.49
5	2.55	3.24	3.76	3.93	3.93	4.03	4.17	4.61	5.32	6.26	8.42	12.87	
10	3.09	4.00	4.66	4.86	4.85	4.95	5.12	5.62	6.10	6.43	7.22	10.09	15.01
20	3.61	4.73	5.52	5.7	5.73	5.83	5.97	6.58	7.14	7.48	8.30	11.66	16.98
25	3.77	4.96	5.78	6.02	6.01	6.11	6.31	6.88	7.47	7.81	8.64	12.15	17.59
40	4.10	5.43	6.34	6.60	6.58	6.69	6.90	7.54	8.11	8.64	9.65	13.63	18.48
50	4.29	5.61	6.51	6.85	6.94	7.18	7.49	8.07	8.81	9.65	10.45	13.42	
100	4.73	6.34	7.41	7.71	7.68	7.78	8.03	8.67	9.45	9.78	10.63	15.07	21.19
200	5.20	7.01	8.20	8.53	8.49	8.60	8.86	9.55	10.42	10.74	11.58	16.47	22.90
1000	6.26	8.53	10.00	10.39	10.34	10.45	11.77	11.52	12.62	12.91	13.73	19.65	26.73
10000	7.73	10.67	12.52	13.00	12.93	13.05	13.43	14.23	15.69	15.93	16.68	24.04	31.97
PMP	15.04	20.48	24.08	24.99	24.83	24.96	25.66	27.87	29.88	30.91	33.49	47.65	65.17

MEAN	1,923	2,392	2,760	2,889	2,895	2,994	3,107	3,439	3,780	4,027	4,6105	6,409	10,089
CLOCK HR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	2,618	2,954	2,660	2,966	3,000	3,076	2,983	2,597	2,251	2,163	1,660	1,978	1,038
REGIONAL SKEW	1,300	1,400	1,400	1,400	1,400	1,400	1,400	1,300	1,400	1,400	1,400	1,200	1,000
SKEW USED	1,300	1,400	1,400	1,400	1,400	1,400	1,400	1,300	1,400	1,400	1,400	1,200	1,000

KURTOSIS	11,607	13,686	12,124	13,845	14,003	14,516	13,916	11,735	9,977	9,609	6,766	3,977	3,580
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	6,040	8,640	9,680	10,180	10,460	11,000	11,000	11,000	11,250	11,600	12,020	14,070	20,190
NORMALIZED MAX	2,974	3,414	3,437	3,657	3,717	3,752	3,762	3,597	3,446	3,411	3,074	2,491	2,236
CALC. COEF. VAR	.720	.765	.730	.751	.749	.713	.676	.631	.574	.591	.524	.480	.448
REGN. COEF. VAR	.445	.504	.515	.510	.505	.449	.494	.471	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.449	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1908	.2371	.2736	.2863	.2870	.2964	.3084	.3409	.3746	.3992	.4564	.5152	1,0000
HP10/A	.3067	.3968	.4619	.4815	.4807	.4908	.5079	.5573	.6045	.6371	.7159	1,0006	1,4879
HP25/A	.3734	.4913	.5734	.5970	.5953	.6251	.6516	.7405	.7879	.8376	.9160	1,0100	1,9253
HP50/A	.4218	.5604	.6544	.6811	.6700	.7024	.7711	.8496	.9225	.9596	.9810	1,0238	
RP100/A	.6070	.7541	.8551	.9130	.9133	.9253	.9351	.9598	.9731	.9896	1,0537	1,4295	2,1002
RP1000/A	.5202	.6855	.9914	1,1303	1,0253	1,0352	1,0574	1,1417	1,2507	1,2795	1,3607	1,9474	2,6933
RP10000/A	.7663	1,0576	1,2410	1,2996	1,2820	1,2933	1,3314	1,4139	1,5553	1,5747	1,6532	1,8328	3,1683
PMP/A	1,4912	2,0295	2,3870	2,4766	2,4607	2,4733	2,5437	2,7648	2,9588	3,0638	3,3590	4,7231	6,4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
PSN ORDER SUB  
C50 1298 1 CALIENTE 1290 26 305 31E M 35°30' 118°6'33" 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	20	3D	40	5D	60	80	100	150	200	300	600	3650
2	1.58	1.76	1.95	2.09	2.19	2.34	2.53	2.77	3.23	3.52	4.40	5.99	11.14
5	2.32	2.49	3.00	3.21	3.26	3.54	3.80	4.13	4.77	5.13	6.27	8.59	15.12
10	2.81	3.32	3.72	3.97	4.15	4.35	4.67	5.04	5.82	6.20	7.47	10.29	17.63
20	3.22	3.92	4.40	4.69	4.90	5.13	5.50	5.89	6.81	7.21	8.59	11.88	19.95
25	3.43	4.11	4.62	4.92	5.13	5.37	5.76	6.16	7.13	7.43	8.35	10.40	20.66
40	3.73	4.50	5.06	5.40	5.63	5.87	6.30	6.72	7.78	8.20	9.10	13.14	22.32
50	3.87	4.69	5.27	5.62	5.85	6.12	6.55	6.96	7.80	8.50	9.98	12.88	
100	4.40	5.21	5.91	6.30	6.53	6.86	7.26	7.71	8.27	9.02	10.99	15.36	24.89
200	4.73	5.81	6.55	7.26	7.56	8.09	8.55	9.94	10.36	11.98	16.79	26.90	
1000	5.69	7.08	7.98	8.49	8.84	9.19	9.83	10.32	12.04	12.45	14.20	20.03	31.40
10000	7.03	8.85	9.99	10.63	11.05	11.47	12.26	12.78	14.97	15.35	17.25	24.50	37.55
PHP	13.69	16.98	19.22	20.42	21.22	21.94	23.42	24.99	28.43	29.82	35.05	48.57	76.56

MEAN	1.749	1.983	2.203	2.360	2.475	2.633	2.836	3.082	3.605	3.885	4.762	6.532	11.852
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.040	.1064	.1779	.189	.184	.298	.762	.448	.0276	.376	.036	.165	.227
REGIONAL SKEW	1,300	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,200	1,000
SKW USED	1,300	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,200	1,000

KURTOSIS	1.735	5.522	2.849	2.357	2.456	3.203	3.393	3.239	3.409	2.652	2.000	2.340	2.307
N	33	32	32	32	32	32	32	32	32	32	32	32	33
RECORD YEAR	1938	1938	1938	1938	1914	1938	1933	1933	1933	1933	1933	1933	1937
RECORD MAXIMUM	2,250	3,900	3,900	3,900	4,000	4,400	5,230	5,230	7,150	7,150	7,720	11,600	20,180
NORMALIZED MAX	.923	2,901	2,113	1,939	1,834	2,799	2,561	2,026	2,715	2,254	1,652	1,943	1,964
CALC. COEF. VAR	.310	.333	.365	.336	.335	.305	.329	.344	.362	.373	.376	.399	.358
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1476	.1673	.1850	.1991	.2088	.2221	.2393	.2600	.3042	.3278	.4017	.5511	1,0000
HP10/A	.2375	.2801	.3138	.3349	.3673	.3941	.4251	.4908	.5231	.6303	.6861	.8487	
PP25/A	.2891	.3468	.3896	.4152	.4332	.4553	.4857	.5109	.6613	.7538	.8044	.9745	
HP50/A	.3265	.3955	.4449	.4735	.5000	.5516	.5926	.6200	.6720	.7240	.7620	.8153	
RP100/A	.3632	.4424	.5202	.5548	.5538	.5515	.5526	.5411	.5558	.5794	.5762	.5958	2,1002
RP1000/A	.4080	.5700	.6373	.7166	.7462	.7456	.7293	.7080	.7105	.			

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 2575 20 315 32E C M 35.225 118.845 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	ID	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.54	2.03	2.17	2.27	2.35	2.42	2.53	2.81	3.25	3.69	4.56	6.64	13.14	
5	2.25	3.11	3.35	3.48	3.60	3.66	3.82	4.18	4.79	5.38	6.50	9.53	17.82	
10	2.73	3.84	4.15	4.30	4.45	4.49	4.69	5.10	5.84	6.50	7.75	11.42	20.79	
20	3.19	4.53	4.91	5.09	5.26	5.29	5.51	5.97	6.84	7.56	8.91	13.19	23.52	
25	3.33	4.75	5.15	5.34	5.51	5.54	5.77	6.24	7.16	7.89	9.27	13.74	24.36	
40	3.62	5.21	5.65	5.85	6.04	6.06	6.32	6.80	7.81	8.58	9.44	14.89	26.09	
50	3.76	5.42	5.89	6.09	6.28	6.31	6.57	7.06	8.12	8.90	10.38	15.42	26.90	
100	4.18	6.07	6.60	6.83	7.04	7.06	7.35	7.87	9.05	9.89	11.41	17.05	29.34	
200	4.59	6.62	7.13	7.36	7.79	7.84	8.12	8.65	9.86	10.56	12.73	18.23	31.81	
1000	5.53	9.18	9.91	9.21	9.49	9.48	9.86	10.45	12.09	13.05	14.73	19.33	37.01	
10000	6.83	10.23	11.16	11.52	11.87	11.83	12.30	12.94	15.03	16.10	17.90	22.70	44.26	
PMP	13.29	19.63	21.46	22.14	22.77	22.62	23.50	25.30	26.54	31.25	36.36	53.91	90+25	

MEAN	1.499	2.293	2.459	2.559	2.656	2.714	2.845	3.120	3.620	4.072	4.941	7.250	13.971
CLOCK HR. COR.	1.141	1.670	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.478	.599	.632	.736	.665	.655	.800	.735	.610	.650	.579	.579	.191
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	2.590	2.832	2.778	2.860	2.711	2.594	2.709	3.125	2.669	3.413	3.175	3.221	4.036
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1954	1956	1956	1956	1956	1956	1956	1960	1960	1960	1960	1960	1960
RECORD MAXIMUM	2.720	4.330	4.610	4.640	4.990	4.990	5.360	6.180	6.180	7.480	8.770	13.520	24.060
NORMALIZED MAX	1.390	1.883	1.930	1.898	2.041	1.984	2.099	2.272	2.091	2.409	2.205	2.211	2.323
CALC. COEF. VAR	.433	.472	.453	.428	.431	.423	.421	.432	.338	.347	.352	.391	.311
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1216	.1641	.1760	.1832	.1901	.1943	.2036	.2233	.2591	.2915	.3530	.5190	1.0000
KP10/A	.1957	.2747	.2972	.3080	.3184	.3213	.3354	.3650	.4181	.4651	.5547	.8174	.14879
RP25/A	.2382	.3401	.3689	.3819	.3943	.3964	.4133	.4646	.5122	.5649	.6634	.9837	.17435
RP50/A	.2691	.3879	.4213	.4359	.4498	.4513	.4703	.5055	.5809	.6373	.7412	.1.037	.1.9253
RP100/A	.2992	.4344	.4725	.4888	.5041	.5051	.5261	.5631	.6442	.7079	.8164	.1.2202	.2.1002
RP1000/A	.3997	.5856	.6191	.6529	.692	.6787	.7054	.7478	.8511	.9342	.1.0543	.1.5702	.2.6493
RP10000/A	.4898	.7321	.7984	.8247	.8493	.8467	.8864	.9260	.1.0758	.1.1526	.1.2401	.1.9466	.3.1683
PMP/A	.9514	1.4049	1.5357	1.5845	1.6301	1.6194	1.6820	1.810H	2.0431	2.2370	2.6627	3.8985	6.4600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 35FS 26 09N 19W P 5 34.833 118.845 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.00	2.57	2.83	2.96	3.09	3.21	3.34	3.64	4.00	4.45	5.19	7.09	11.80
5	2.93	3.93	4.37	4.55	4.73	4.85	5.04	5.42	5.90	6.48	7.40	10.17	14.00
10	3.56	4.85	5.51	5.63	5.85	5.97	6.18	6.61	7.19	7.84	8.82	12.19	18.67
20	4.15	5.73	6.40	6.66	6.91	7.03	7.28	7.73	8.43	9.12	10.14	14.08	21.12
25	4.33	6.01	6.71	6.98	7.24	7.37	7.62	8.08	8.81	9.52	10.55	14.67	21.87
40	4.71	6.59	7.36	7.65	7.93	8.06	8.34	8.81	9.62	10.35	10.75	15.89	23.43
50	4.89	6.88	7.67	7.96	8.26	8.39	8.67	9.15	10.00	10.74	11.78	16.46	24.15
100	5.44	8.68	8.60	8.93	9.25	9.49	9.77	10.19	11.15	11.93	12.98	18.35	26.35
200	5.98	9.68	9.52	9.88	10.21	10.51	10.81	11.37	12.11	13.01	14.01	19.19	27.46
1000	7.20	10.35	11.01	12.04	12.47	12.60	13.01	13.53	14.89	15.74	16.76	23.73	32.24
10000	8.89	12.94	14.53	15.07	15.59	15.73	16.23	16.76	18.51	19.42	20.37	29.03	39.75
PMP	17.30	24.83	27.95	28.95	29.92	30.09	31.01	32.77	35.16	37.69	41.38	57.55	81.04

MEAN/A	2.211	2.900	3.204	3.347	3.490	3.610	3.754	4.041	4.459	4.911	5.622	7.740	12.545
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.989	1.506	2.353	2.058	1.879	1.778	1.842	1.731	1.745	1.698	1.364	1.175	1.602
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400

KURTOSIS	4.018	5.773	10.717	9.301	8.316	7.650	7.947	7.242	6.973	7.117	5.756	3.840	6.099
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944
RECORD MAXIMUM	4.000	7.310	10.290	10.290	10.740	11.260	11.710	12.610	13.580	14.130	16.510	27.360	
NORMALIZED MAX	1.824	2.008	3.665	3.611	3.549	3.466	3.564	3.466	3.336	3.383	3.184	2.502	3.280
CALC. COEF. VAR	.444	.542	.604	.574	.585	.570	.561	.568	.568	.522	.475	.453	.360
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	.1763	.2312	.2554	.2668	.2782	.2877	.2993	.3221	.3554	.3915	.4482	.6170	1.0000
KP10/A	.2837	.3870	.4312	.4486	.4659	.4758	.4929	.5265	.5735	.6247	.7030	.9718	.14879
RP25/A	.3453	.4791	.5352	.5563	.5777	.5871	.6074	.6440	.7025	.7587	.8407	.1.1691	.14835
RP50/A	.3901	.5465	.6112	.6349	.6582	.6688	.6912	.7292	.7968	.8564	.9393	.1.3122	.1.9253
RP100/A	.4338	.6124	.6856	.7119	.7331	.7480	.7731	.8123	.8523	.9208	.1.0304	.1.4507	2.1002
RP1000/A	.5737	.8249	.9234	.9600	.9393	.1.0240	.1.0731	.1.1864	.1.2488	.1.3364	.1.4505	.1.8460	.2.4803
RP10000/A	.7068	1.0314	1.1584	1.2040	1.2474	1.2539	1.2939	1.3358	1.4756	1.5482	1.6234	2.1244	3.1683
PMP/A	1.3792	1.9791	2.2281	2.3070	2.3852	2.3943	2.4719	2.6122	2.8024	3.0046	3.2984	4.5874	6.4600

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 660 6754 0	STATION NAME PATTIWAY	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		3868	19	10N	23W	E	S	34°49.1'	119°3.81'	15

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.38	1.65	1.77	1.87	2.02	2.12	2.23	2.39	2.66	2.95	3.53	4.74	8.88
5	2.02	2.52	2.73	2.87	3.08	3.20	3.36	3.56	3.93	4.30	5.03	6.80	12.05
10	2.45	3.12	3.38	3.54	3.81	3.94	4.12	4.34	4.80	5.19	5.99	8.15	14.05
20	2.86	3.68	4.00	4.19	4.50	4.64	4.85	5.07	5.62	6.04	6.88	9.41	15.90
25	2.98	3.86	4.19	4.39	4.72	4.84	5.08	5.30	5.87	6.31	7.16	9.89	16.47
40	3.75	4.23	4.60	4.82	5.17	5.31	5.56	5.84	6.41	6.96	7.80	10.82	17.64
50	3.47	4.04	4.29	4.52	4.83	5.03	5.28	5.61	6.12	6.66	7.50	10.01	18.11
100	3.75	4.93	5.37	5.62	6.03	6.19	6.47	6.69	7.43	7.90	8.82	12.16	19.84
200	4.12	5.46	5.94	6.22	6.67	6.84	7.14	7.36	8.19	8.69	9.61	13.25	21.64
1000	4.96	6.68	7.25	7.85	8.13	8.31	8.64	8.88	9.92	10.43	11.38	15.85	25.03
10000	6.13	8.31	9.08	9.49	10.16	10.37	10.82	11.00	12.34	12.87	13.43	19.40	31.93
PMPE	11.92	15.94	17.45	18.23	19.50	20.67	21.52	23.43	24.94	28.10	38.45	51.02	

MEAN	1.523	1.862	2.001	2.107	2.274	2.380	2.503	2.653	2.972	3.254	3.918	5.172	9.446
CLOCK HR. COR.	1.140	1.470	1.004	1.029	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.998	3.163	3.007	2.667	2.389	2.191	2.074	2.008	1.630	1.476	1.118		.804
REGIONAL SKEW	1.300	1.400	1.000	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	

KURTOSIS	10.942	18.829	16.771	14.425	11.649	9.771	9.669	8.332	9.255	7.177	6.084	3.764	3.321
N	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58
RECORD YEAR	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1961
RECORD MAXIMUM	4.150	6.650	7.360	7.430	7.840	7.840	7.850	8.260	9.500	9.680	10.230	11.110	19.020
NORMALIZED MAX	3.910	5.626	5.092	5.024	4.742	4.633	4.403	4.252	4.491	4.134	3.680	2.664	2.812
CALC. COEF. VAR	.441	.508	.526	.503	.516	.511	.485	.497	.489	.478	.456	.431	.360
REGN. COEF. VAR	.445	.506	.515	.510	.505	.499	.484	.474	.459	.445	.424	.429	.384
USED COEF. VAR	.445	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384

MEAN/A	+1613	+1.972	+2.118	+2.231	+2.408	+2.520	+2.699	+3.146	+3.445	+4.042	+5.475	1.000	
RP10/A	+2595	+3309	+3576	+3752	+4033	+4167	+4364	+4591	+5077	+5498	+6341	+8624	1.4879
RP25/A	+3160	+4429	+4429	+4429	+5141	+5141	+5141	+5141	+5141	+5141	+5141	+5141	1.7435
RP50/A	+3599	+4460	+4589	+5109	+5109	+5109	+5109	+5109	+5109	+5109	+5109	+5109	1.7433
RP100/A	+3924	+5222	+5686	+5953	+6185	+6551	+6845	+7083	+7870	+8268	+8933	+1.2873	2.1002
RP1000/A	+3924	+7035	+7675	+8028	+8603	+8798	+9184	+9406	+1.0504	+10443	+1.2053	+1.6785	+2.4933
RP10000/A	+6485	+8795	+9608	+1.0044	+1.0757	+1.0980	+1.1456	+1.1648	+1.3062	+1.3625	+1.4643	+2.0538	+3.1683
PMPE/A	+1.2619	+1.6877	+1.8479	+1.9298	+2.0546	+2.1002	+2.1887	+2.2777	+2.4808	+2.6442	+2.9752	+4.0709	+6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 660 8826 0	STATION NAME TEHACHAPI	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		3975	21	32S	33E	C	M	35°134'	118°442'	15

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.74	1.88	1.98	2.08	2.18	2.31	2.48	2.78	3.03	3.58	4.86	9.55
5	2.13	2.66	2.90	3.05	3.18	3.30	3.47	3.69	4.11	4.41	5.10	6.97	12.95
10	2.58	3.29	3.69	3.77	3.93	4.06	4.26	4.50	5.01	5.33	6.08	8.36	15.11
20	3.01	3.88	4.26	4.46	4.65	4.78	5.02	5.26	5.87	6.20	6.99	9.65	17.09
25	3.14	4.07	4.46	4.67	4.87	5.00	5.26	5.50	6.14	6.48	7.27	10.67	18.70
40	3.42	4.46	4.90	5.12	5.42	5.65	5.96	6.20	6.80	7.11	7.89	11.28	19.55
50	3.54	4.64	5.10	5.53	5.95	5.70	5.98	6.23	6.96	7.31	8.12	12.48	21.33
100	3.95	5.20	5.75	5.98	6.23	6.37	6.69	6.94	7.77	8.12	8.95	13.64	23.05
200	4.34	5.75	6.33	6.62	6.88	7.04	7.39	7.63	8.55	8.91	9.75	14.27	26.93
1000	5.22	7.01	7.72	8.06	8.39	8.56	8.97	9.21	10.37	10.71	11.55	16.27	28.93
10000	6.45	8.76	9.66	10.09	10.49	10.69	11.20	11.41	12.90	13.22	14.04	19.90	32.17
PMPE	12.56	16.81	18.59	19.38	20.14	20.44	21.39	22.31	24.49	25.65	28.52	39.45	65.57

MEAN	1.605	1.964	2.130	2.241	2.348	2.452	2.589	2.751	3.106	3.342	3.875	5.306	10.154
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.096	1.079	.852	1.031	1.036	1.061	1.091	1.102	.965	.807	1.078	.609	
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000	

KURTOSIS	3.864	4.708	4.121	9.331	8.367	7.054	6.168	5.414	4.187	3.840	3.394	4.390	2.967
N	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53
RECORD YEAR	1971	1933	1933	1933	1933	1933	1933	1933	1933	1933	1933	1971	1906
RECORD MAXIMUM	3.290	4.800	4.970	7.110	7.110	7.110	7.110	7.110	7.110	7.110	7.110	7.740	18.610
NORMALIZED MAX	2.138	3.044	3.001	4.312	4.068	3.816	3.665	3.486	3.046	2.681	2.681	3.192	2.320
CALC. COEF. VAR	.491	.474	.444	.504	.498	.498	.476	.455	.428	.383	.383	.314	.359
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364

MEAN/A	+1580	+1934	+2098	+2207	+2313	+2415	+2550	+2709	+3059	+3291	+3816	+5226	1.0000
RP10/A	+2543	+3237	+3542	+3711	+3874	+4299	+4426	+4492	+4576	+4656	+4986	+5253	+5986
RP25/A	+3096	+4008	+4397	+4426	+4799	+4928	+5176	+5176	+5176	+5176	+5176	+5176	+5900
RP50/A	+3364	+4571	+5021	+5252	+5353	+5610	+5809	+5809	+5809	+5809	+5809	+5809	+1.7435
RP100/A	+3889	+4223	+5089	+5134	+5178	+5659	+6589	+6589	+6589	+6589	+6589	+6589	+2.0002
RP1000/A	+5143	+6900	+7603	+7941	+8264	+8839	+9039	+9039	+9039	+9039	+9039	+9039	+1.6620
RP10000/A	+6355	+8626	+9517	+9935	+1.0333	+1.0524	+1.1026	+1.1235	+1.2071	+1.3017	+1.3824	+1.9601	+3.1683
PMPE/A	1.2366	1.6553	1.8303	1.9089	1.9832	2.0105	2.0455	2.0455	2.0455	2.0455	2.0455	2.0455	3.8853

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
C70 5338 0 MARICOPA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURLS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.00	1.15	1.22	1.26	1.32	1.37	1.49	1.57	1.79	1.93	2.29	3.02	5.37
5	1.39	1.53	1.76	1.83	1.91	1.99	2.17	2.26	2.62	2.86	3.23	4.32	7.38
10	1.64	1.96	2.12	2.21	2.21	2.41	2.61	2.72	3.12	3.38	3.84	5.16	8.65
20	1.88	2.27	2.46	2.58	2.59	2.81	3.06	3.23	3.72	3.93	4.51	6.25	10.32
25	1.95	2.37	2.57	2.69	2.81	2.94	3.20	3.28	3.89	4.10	4.58	6.20	10.18
40	2.11	2.57	2.80	2.93	3.06	3.20	3.49	3.56	4.24	4.46	4.67	6.71	10.93
50	2.18	2.66	2.90	3.04	3.18	3.30	3.62	3.70	4.41	4.63	5.11	6.95	11.27
100	2.41	2.93	3.23	3.39	3.54	3.70	4.03	4.10	4.91	5.14	5.63	7.68	12.32
200	2.63	3.24	3.55	3.73	3.89	4.07	4.44	4.49	5.41	5.63	6.13	8.39	13.34
1000	3.12	3.90	4.27	4.50	4.76	4.91	5.36	5.38	6.77	7.25	9.99	16.61	
PMP	3.81	4.81	5.29	5.47	5.62	6.09	6.65	6.63	8.13	8.34	8.74	12.22	18.72
	7.24	9.02	9.96	10.52	11.00	11.50	12.54	12.80	15.40	16.16	17.80	24.16	34.45

MEAN	1.090	1.266	1.351	1.400	1.458	1.522	1.652	1.728	1.987	2.131	2.473	3.296	5.725
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.242	1.855	2.046	2.114	2.556	3.032	2.926	2.740	3.195	3.466	3.146	2.984	2.241
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.100	1.200	1.000

KURTOSIS	5.067	7.268	7.732	8.149	11.197	14.923	14.603	13.620	17.645	16.207	18.019	16.491	10.907
RECORD	6.3	1.82	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
RECORD MAXIMUM	1.942	3.710	4.010	4.310	5.800	6.570	7.050	9.180	9.450	10.710	14.440	18.930	
NORMALIZED MAX	2.440	3.521	3.394	3.636	4.480	5.047	5.176	5.083	5.500	5.395	5.572	5.442	4.346
CALC. COEF. VAR	.445	.548	.580	.571	.615	.652	.631	.606	.657	.677	.597	.603	.486
REGN. COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.459	.439	.413	.422	.381
USED COEF. VAR	.376	.408	.425	.434	.436	.437	.441	.427	.459	.439	.413	.422	.381

MEAN/A	.1985	.2312	.2359	.2446	.2567	.2650	.2885	.3018	.3478	.3782	.4320	.5757	1.0000
RP10/A	.2463	.3418	.3699	.3865	.4032	.4212	.4586	.4744	.5558	.5910	.6713	.9014	.5107
RP25/A	.3414	+1.132	.4492	.4705	.4910	.5131	.5592	.5735	.6793	.7167	.8006	1.0292	1.7783
RP50/A	.3914	.4653	.5071	.5318	.5552	.5803	.6327	.6554	.7695	.8080	.8932	1.2138	1.9685
RP100/A	.4204	.5164	.5638	.5919	.6180	.6460	.7047	.7156	.8579	.8969	.9827	1.3409	2.1516
RP1000/A	.5453	.6810	.7467	.7855	.8206	.8579	.9367	.9404	1.1427	1.1820	1.2659	1.7456	2.7264
RP10000/A	.6659	.8408	.9243	.9736	1.0173	1.0538	1.1621	1.1575	1.4194	1.4572	1.5355	2.1337	3.2696
PHF/A	1.2466	1.5748	1.7396	1.8370	1.9266	2.0089	2.1969	2.2348	2.6896	2.8233	3.1084	4.2202	6.7150

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
000 674 0 HEN LOADING

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURLS

STATION NO. BSN ORDER SUB	ELEV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE			
000 674 0	5'4	19	1-15	12W	M	37°05'	122°10'	44					
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.16	7.41	8.44	9.22	10.31	10.49	12.23	13.34	15.24	21.21	29.28	48.79	
5	8.45	11.69	12.09	13.16	14.64	15.53	17.19	18.64	21.08	24.46	29.12	40.38	64.24
10	10.47	14.55	14.75	17.43	18.49	20.31	21.91	23.14	24.93	27.13	37.15	53.67	
20	11.67	15.21	16.27	17.11	18.64	20.16	22.40	24.64	27.92	31.10	42.27	62.18	
25	12.30	17.70	18.60	19.92	20.93	21.85	24.08	26.81	28.91	32.45	39.37	55.15	81.79
40	13.29	17.04	18.11	19.11	20.19	21.92	23.63	27.62	30.24	34.65	42.02	54.97	90.12
50	13.75	17.74	19.82	21.21	23.26	24.31	26.77	28.56	31.88	35.87	43.23	70.74	92.58
100	15.16	19.74	21.94	23.44	25.61	26.67	29.35	31.19	34.71	38.91	46.47	64.07	100.00
200	16.54	21.77	24.10	25.61	27.90	28.97	31.85	33.74	37.42	41.83	50.36	71.20	107.14
500	19.65	26.17	28.90	31.59	33.04	34.10	37.46	39.40	43.44	46.23	58.02	82.55	122.93
1000	23.29	32.41	35.49	37.41	40.12	41.11	45.17	47.04	51.55	56.80	68.27	97.84	144.22
PMP	47.47	61.03	65.74	73.81	81.01	85.81	93.71	104.26	112.54	127.40	153.19	213.45	304.14

MEAN	6.682	8.200	9.432	11.152	11.800	13.167	14.231	14.051	16.297	22.210	30.890	51.027	
CLOCK HR. COR.	1.143	1.171	1.190	1.204	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.157	1.214	1.126	1.067	1.011	.930	.820	.651	.608	.541	.436	.331	.055
REGIONAL SKEW	1.200	1.400	1.300	1.230	1.000	1.000	1.000	.900	.800	.700	.700	.800	.800
SKEW USED	1.200	1.400	1.300	1.230	1.000	1.000	1.000	.900	.800	.700	.700	.800	.800

KURTOSIS	3.494	4.265	4.025	5.251	3.121	3.202	3.003	2.657	2.515	2.329	2.365	2.652	3.168
RECORD	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD MAXIMUM	11.17	16.42	19.17	14.52	22.33	23.00	26.34	27.23	30.34	32.22	36.61	52.850	A.010
NORMALIZED MAX	1.49	2.20	2.03	2.12	2.48	2.39	2.84	2.67	2.17	2.07	1.93	1.92	2.05
CALC. COEF. VAR	.478	.5454	.441	.433	.401	.415	.404	.398	.411	.341	.359	.370	.342
REGN. COEF. VAR	.493	.4303	.430	.433	.423	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.493	.4303	.430	.433	.423	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1709	.1407	.1869	.1869	.1415	.2313	.2569	.2789	.3146	.3586	.4354	.6054	1.0000
RP10/A	.2017	.2531	.2851	.3086	.3418	.3606	.4980	.4294	.4836	.5403	.4635	.9241	1.4437
RP25/A	.2411	.3177	.3499	.3739	.4082	.4287	.4720	.5056	.5666	.6399	.7719	1.0807	1.6617
RP50/A	.2695	.3477	.3888	.4157	.4558	.4764	.5246	.5597	.6247	.7029	.8473	1.1904	1.8144
RP100/A	.2971	.3468	.4037	.4593	.5019	.5227	.5752	.6113	.6901	.7626	.9196	1.2499	1.9598
RP1000/A	.3466	.5128	.5666	.5981	.6475	.6682	.7346	.7721	.8513	.9452	1.1370	1.6177	2.4091
RP10000/A	.4693	.6352	.6975	.7312	.7663	.8057	.8642	.9228	1.0102	1.1131	.1337	.1975	.24264
PHF/A	.9225	.1972	.13479	.14468	.15954	.16777	.19365	.21166	.25046	.3.0022	.4.030	.4.354	.5.9400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 000 1005 0	STATION NAME BOULDER CREEK	FLEV 2175	SEC La	TYP 045	HNG LOT 024	HRN 0	LATITUDE 37.102	LONGITUDE 122.105	COUNTY CODE 44
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS											
	10	20	30	50	60	80	100	150	200	300	600	3650
2	6.62	8.63	11.14	14.17	11.26	12.16	14.65	14.88	17.16	14.87	24.06	35.81
5	11.82	11.87	11.45	14.94	12.99	17.01	14.18	20.72	23.01	27.63	33.04	45.35
10	14.73	14.35	16.19	17.21	17.03	20.18	22.68	24.36	27.85	31.91	38.41	54.12
20	12.33	16.71	14.77	21.97	21.80	23.67	24.67	31.51	35.95	43.22	51.15	100.02
25	12.92	17.45	11.58	19.91	22.74	23.97	26.98	28.69	32.63	37.18	44.69	63.30
40	13.36	16.94	21.25	22.93	23.17	25.81	28.94	35.78	44.93	34.69	47.57	57.69
50	14.34	14.22	22.05	24.44	23.14	26.67	27.01	31.49	35.94	44.04	47.05	51.77
100	15.20	16.91	14.22	16.65	17.49	20.65	23.78	34.01	39.17	44.30	49.19	51.70
200	17.24	17.11	20.81	23.09	14.66	21.78	16.58	17.51	22.24	27.62	57.14	130.39
1000	21.63	21.62	37.16	31.72	11.07	37.94	41.83	43.18	49.03	54.91	65.83	94.73
10000	24.96	30.02	14.60	91.22	43.93	45.10	50.39	52.45	56.19	66.67	77.45	112.30
PNP	49.07	67.88	76.53	84.97	34.91	84.66	111.46	127.37	145.52	173.69	244.99	371.35

MEAN	4.765	9.112	10.272	11.14	12.174	12.944	14.018	15.821	18.119	20.413	25.207	35.454	62.099
CLOCK HR. COK	1.141	1.71	1.040	1.020	1.011	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.493	1.249	1.174	1.179	1.131	1.131	1.127	1.034	1.74	.807	.646	.537	.493
REGIONAL SKEW	1.210	1.040	1.309	1.292	1.110	1.030	1.019	.909	.806	.700	.700	.800	.900
SKEW USED	1.210	1.040	1.300	1.290	1.110	1.030	1.010	.900	.800	.700	.700	.800	.900

KURTOSIS	4.656	4.141	3.462	5.919	4.776	4.360	3.385	5.420	2.668	2.603	2.720	2.553	2.067
RECORD YEAR	2	24	23	23	23	23	23	23	23	23	23	23	23
RECORD MAXIMUM	17.95	17.61	19.56	19.51	17.95	17.96	17.96	19.69	19.63	17.51	12.69	17.69	17.69
NORMALIZED MAX	12.707	16.779	19.533	20.501	16.764	20.700	20.700	20.500	23.301	12.530	45.240	61.500	96.330
CALC. COEF. VARI	4.116	2.545	2.102	2.17	2.20	2.391	2.235	2.322	2.107	1.836	2.098	1.367	1.448
REGN. COEF. VARI	4.433	4.111	4.446	4.450	4.422	4.449	4.393	4.382	4.394	4.384	4.379	4.359	.286
USED COEF. VARI	4.113	4.331	4.330	4.230	4.221	4.167	4.110	4.143	4.002	3.399	3.393	3.394	3.332

MEAN	1.172	1.467	1.654	1.749	1.961	2.016	2.357	2.546	2.918	3.355	4.059	5.709	1.0000
CLOCK HR. COK	1.172	2.311	2.067	1.862	1.305	1.305	1.305	1.305	1.305	1.305	1.305	1.305	1.4437
PNP2%	2.016	2.611	1.154	1.307	1.361	1.431	1.620	1.625	1.587	1.719	1.013	1.6161	1.6161
PNP5%	2.309	3.174	3.591	3.775	3.804	3.926	4.076	5.113	5.795	5.576	7.022	12.222	18.144
PNP10%	2.564	4.331	3.946	4.111	4.210	4.112	5.711	5.716	6.419	6.419	6.419	6.419	6.419
PNP20%	3.349	4.681	5.277	5.429	5.622	5.736	7.023	7.890	8.841	11.000	15.257	24.091	24.091
PNP50%	4.126	5.704	5.377	6.169	7.053	7.622	8.114	8.643	9.377	10.014	12.573	16.094	28.286
PNP100%	7.710	11.331	12.124	11.113	11.112	11.573	12.145	2.0510	2.0510	2.7988	3.9451	5.9480	5.9480

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 000 2241 0	STATION NAME DAVEPORT	FLEV a73	SEC 32	TYP 1H5	HNG LOT a3W	HRN M	LATITUDE 37.017	LONGITUDE 122.000	COUNTY CODE 44
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS											
	10	20	30	50	60	80	100	150	200	300	600	3650
2	3.91	3.44	3.94	4.34	4.73	5.179	5.621	6.071	6.53	7.521	8.442	10.542
5	5.62	5.23	5.73	6.23	6.73	7.20	7.64	8.15	8.61	9.61	10.68	12.66
10	6.47	6.81	7.49	7.42	8.10	8.74	9.44	10.05	11.73	12.93	16.10	23.87
20	7.40	7.35	7.49	8.50	8.30	10.02	11.74	11.44	13.26	14.57	19.11	45.36
25	5.82	7.38	8.34	8.62	8.67	10.41	11.18	11.49	13.73	15.07	18.73	27.92
40	8.29	8.13	9.05	9.45	9.48	11.21	12.00	12.71	14.69	16.08	19.49	29.84
50	6.51	6.33	7.39	11.00	11.58	12.90	14.60	15.14	16.55	17.55	20.55	30.75
100	7.14	9.27	14.41	11.19	11.49	12.71	14.66	14.33	16.49	17.55	22.25	55.20
200	7.43	11.11	11.92	12.87	12.40	13.47	14.74	15.77	17.77	19.00	21.30	55.14
1000	9.41	12.04	11.80	14.01	15.33	16.24	17.35	18.05	20.63	22.29	27.58	41.79
10000	11.24	15.03	14.96	17.55	18.63	19.58	20.50	21.61	26.43	26.21	32.45	49.53
PNP	22.28	21.70	32.58	34.78	37.88	40.78	43.41	46.91	53.59	58.97	72.83	116.06

KURTOSIS	6.119	6.790	5.143	4.307	3.401	3.055	2.539	2.556	2.889	2.992	2.996	3.460	4.014
RECORD YEAR	6	61	61	61	61	91	102	102	91	61	61	101	103
RECORD MAXIMUM	14.98	22.00	10.311	11.360	10.420	10.700	12.700	12.230	13.020	17.300	20.110	33.400	62.080
NORMALIZED MAX	4.494	3.694	3.349	3.654	3.723	2.534	2.163	2.424	1.961	2.922	2.397	2.717	3.319
CALC. COEF. VARI	4.119	4.499	4.065	3.988	3.722	3.364	3.356	3.358	3.361	3.357	3.377	4.18	3.353
REGN. COEF. VARI	4.433	4.430	4.330	4.233	4.220	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.32
USED COEF. VARI	4.012	4.331	4.330	4.233	4.221	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.32

MEAN	1.123	1.368	1.553	1.681	1.196	2.156	2.318	2.706	2.997	3.750	5.552	1.0000	
CLOCK HR. COK	1.173	2.154	2.447	2.534	2.311	3.349	3.569	4.160	4.591	5.649	9.912	1.6617	
PNP2%	2.008	2.612	2.956	3.156	3.34	3.654	3.961	4.204	4.875	5.349	9.912	1.6617	
PNP5%	2.312	2.959	3.333	3.449	3.835	4.111	4.402	4.653	5.375	5.975	7.297	1.018	1.8144
PNP10%	2.548	3.292	3.997	4.192	4.222	4.551	4.827	5.082	5.952	6.374	7.912	1.176	1.9599
PNP20%	3.010	3.705	4.682	4.105	4.704	5.100	5.474	5.874	6.437	6.837	7.291	8.337	12.91
PNP50%	4.025	5.547	6.862	6.015	6.981	7.480	7.671	8.891	9.364	1.1523	1.7586	2.8264	
PNP100%	7.912	14.791	15.659	15.948	15.422	15.512	16.634	19.120	20.935	25.987	3.4365	5.9900	

PEAKSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TIME RNG LAT HGT LATITUDE LONGITUDE COUNTY CODE  
850 911 1 VIGORON POINT L M 140 03 045 058 01 17.103 127.343 41

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS H-HOURS

RETURN PERIOD, IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
6	1.79	2.11	2.49	2.85	3.14	3.52	3.74	4.65	5.22	6.02	8.72	16.15	
5	2.61	3.05	3.59	4.01	4.44	4.94	5.26	6.47	7.19	8.27	12.02	21.26	
10	2.49	2.64	4.32	4.52	4.83	5.26	5.84	6.22	7.57	8.38	9.62	14.04	24.38
20	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
50	1.87	2.44	5.22	5.43	5.74	6.05	6.93	7.31	8.87	9.76	11.19	16.42	28.06
100	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
200	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
1000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
10000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
100000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
1000000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
10000000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
100000000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
1000000000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
10000000000	1.44	1.62	5.01	5.21	5.55	6.02	6.67	7.05	8.57	9.44	10.92	15.66	27.20
MEAN	1.491	2.161	2.740	3.044	3.693	3.735	3.771	4.020	4.925	5.469	6.311	9.197	16.887
CLOCK HRS. LUN.	1.161	1.71	1.940	1.920	1.911	1.910	1.900	1.901	1.900	1.900	1.900	1.900	1.900
CALCULATED SKIN	1.695	1.130	1.444	1.426	1.121	1.087	1.014	.564	.338	.705	1.455	.508	.775
REGIONAL SKIN	1.200	1.400	1.300	1.200	1.100	1.000	.900	.800	.700	.700	.700	.800	.800
SKEW USED	1.200	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.700	.700	.800	.800

KURTOSIS	2.463	6.785	6.296	5.463	4.712	4.964	2.912	2.663	2.337	3.167	2.554	2.365	2.962
N	45	35	35	35	35	35	35	35	35	35	34	34	35
RECORD YEAR	1919	1911	1911	1911	1911	1911	1911	1911	1911	1911	1936	1936	1925
RECORD MAXIMUM	1.031	1.675	0.250	0.730	5.75	7.276	7.300	7.780	8.751	11.540	11.750	17.010	32.390
NORMALIZED MAX	1.497	2.428	3.173	3.246	3.133	2.844	2.347	2.355	2.052	2.682	2.293	2.219	2.667
CALC. COEF. VAN	.414	.301	.044	.434	.359	.464	.199	.390	.378	.414	.377	.383	.372
REGN. COEF. VAN	.413	.430	.433	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.413	.430	.433	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.486	1.122	1.768	1.431	.1999	.2333	.2380	.2917	.3238	.3737	.5446	1.0000	
RH10/4	.1171	.2161	.2564	.2670	.2663	.3114	.1463	.3672	.4494	.5692	.8114	1.4437	
RH20/4	.2117	.2455	.3193	.2125	.3424	.3701	.4183	.4362	.5259	.5779	.6629	.9723	1.6617
RH30/4	.2079	.2444	.2425	.2425	.2425	.2425	.2425	.2425	.2425	.2425	.2425	.2425	1.4244
RH40/4	.2010	.3336	.3842	.1943	.2426	.4516	.2101	.5226	.5307	.6887	.7045	.11650	.4598
RH50/4	.3186	.4424	.5074	.4687	.4246	.5775	.6329	.6860	.7594	.8536	.9760	1.4554	2.4991
RH100/4	.4120	.5481	.6254	.7341	.5589	.6964	.7877	.7893	.9367	1.0052	1.1494	1.7250	2.8264
RH200/4	.7418	1.363	1.2085	1.2545	1.3571	1.4501	1.5987	1.6840	2.0505	2.2619	2.5769	3.7633	5.9800

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TIME RNG LAT HGT LATITUDE LONGITUDE COUNTY CODE  
850 911 1 SANTA CRUZ 125 36.494 122.017 44

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS H-HOURS

RETURN PERIOD, IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
6	2.82	3.55	4.01	4.51	4.93	5.32	5.95	6.57	7.81	8.72	14.81	15.56	27.83
5	3.47	5.12	5.77	5.44	7.01	7.51	9.36	9.15	10.82	12.03	14.57	21.45	36.64
10	4.72	6.19	6.95	7.71	9.34	8.40	9.46	10.73	12.67	14.01	16.94	25.05	42.01
20	5.442	7.20	8.06	8.89	9.58	10.18	11.28	12.22	14.33	15.78	19.08	26.30	46.87
50	5.64	7.52	8.41	9.26	9.47	10.57	11.72	12.67	14.84	16.32	19.70	29.30	46.36
100	6.10	7.81	8.71	9.61	9.81	10.81	11.91	12.61	14.81	16.32	19.70	29.30	46.36
200	6.53	8.45	9.35	10.25	10.45	11.45	12.55	13.25	15.45	16.95	20.35	30.37	52.00
500	6.95	8.75	10.50	11.25	11.45	12.45	13.45	14.45	16.45	18.11	19.64	23.45	35.10
1000	7.49	11.51	12.54	13.33	14.07	14.55	15.65	16.21	17.28	18.31	19.21	20.90	25.19
10000	8.01	12.53	13.80	14.94	15.81	16.56	18.22	19.31	22.30	24.10	29.02	43.85	70.11
100000	10.94	15.52	17.00	17.26	17.40	19.89	21.95	23.11	26.46	28.36	34.15	51.98	82.25
1000000	21.54	24.26	32.85	31.14	30.96	41.43	46.59	49.21	57.92	63.87	76.63	113.39	174.02

MEAN	3.066	3.426	4.409	4.920	5.531	5.710	6.376	6.984	8.239	9.164	11.114	16.409	29.101
CLOCK HRS. LUN.	1.160	1.71	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKIN	.554	.990	1.034	.823	.676	.302	.179	.210	.336	.521	.697	.641	
REGIONAL SKIN	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.700	.700	.800	.800	.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.700	.700	.800	.800	.800

KURTOSIS	3.028	4.026	3.793	3.691	7.061	2.613	2.522	2.549	2.374	2.729	3.138	3.696	
N	77	77	77	77	77	76	76	76	77	77	77	77	
RECORD YEAR	1943	1956	1951	1951	1951	1956	1946	1949	1949	1949	1949	1941	1941
RECORD MAXIMUM	5.660	7.660	9.910	11.290	11.411	11.000	12.590	12.880	15.650	18.950	22.100	35.560	61.290
NORMALIZED MAX	1.474	2.794	2.666	2.692	2.914	2.603	2.765	2.374	2.458	2.207	2.455	2.830	3.285
CALC. COEF. VAN	.347	.367	.383	.371	.358	.356	.353	.356	.360	.387	.403	.412	.337
REGN. COEF. VAN	.403	.430	.433	.423	.420	.417	.416	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.403	.430	.433	.423	.420	.417	.416	.403	.402	.399	.393	.394	.332

MEAN	.1153	.1349	.1515	.1691	.1834	.1962	.2191	.2404	.2831	.3142	.3819	.5639	1.0000
RH10/4	.1622	.2124	.2388	.2667	.3059	.3395	.3695	.4352	.4813	.5109	.5820	.8608	1.4437
RH20/4	.1930	.2681	.2981	.3183	.3534	.4036	.4436	.4917	.5407	.5817	.6436	.8608	1.4437
RH30/4	.2149	.2819	.3285	.3589	.3805	.4274	.4646	.5116	.5589	.6436	.7432	.8608	1.4437
RH40/4	.2390	.3247	.3507	.3943	.4211	.4436	.4906	.5261	.6121	.6692	.8057	.9262	1.4437
RH100/4	.3196	.4305	.4744	.5134	.5433	.5670	.6261	.6644	.7662	.8973	.9733	.9568	1.4437
RH1000/4	.3774	.5322	.5841	.6276	.6597	.6836	.7542	.7941	.8929	.9764	.1.1735	.1.7861	2.8264
RH2000/4	.7418	1.051	1.2128	1.2418	1.3387	1.4235	1.5665	1.6909	1.9903	2.0147	2.6333	3.8964	5.9

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE																
STATION NO.	STATION NAME	FLEV	SEC	TAP	RNG	LAT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE					
ASN ORDER S/N 010 1768 0	CLIFTON	439	9 0	14	145	W67	N	36°27'15"	121°36'45"							
RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS															
10	20	30	40	50	60	80	100	150	200	300	600	3650				
2	2.37	2.854	3.421	3.934	4.455	3.929	4.455	4.888	5.545	6.119	7.115	10.000	17.10			
5	3.33	4.111	4.501	4.932	5.214	5.556	6.225	6.848	7.757	8.533	9.810	13.79	22.51			
10	3.96	4.946	5.554	5.860	6.076	6.566	7.349	7.949	9.077	9.944	11.431	14.10	25.81			
20	4.55	5.671	5.427	5.691	7.000	7.450	8.442	9.071	10.271	11.201	12.844	14.11	28.80			
25	4.74	6.033	6.701	6.977	7.361	7.464	8.476	9.411	10.633	11.591	13.281	16.83	29.71			
50	5.12	6.556	7.271	7.509	7.851	8.395	9.424	10.491	11.519	12.416	14.456	16.014	31.56			
50	5.31	6.811	7.541	7.841	8.277	8.844	9.944	11.071	12.151	13.172	14.517	15.74	32.74			
100	5.6	7.59	8.17	8.54	9.03	9.52	10.68	11.37	12.76	13.80	15.80	22.56	35.04			
200	6.27	9.33	9.17	9.43	9.88	10.33	11.59	12.30	13.76	14.83	16.97	24.32	37.55			
1000	7.86	11.05	11.00	11.23	11.61	12.16	13.63	14.36	15.97	17.10	19.55	28.19	43.08			
10000	12.72	12.44	13.55	11.73	11.19	14.67	16.42	17.17	18.95	20.14	23.01	33.41	50.54			
PMP	18.12	23.44	26.18	27.17	29.87	30.54	34.11	35.85	41.49	45.32	51.63	72.89	106.93			
MEAN	2.472	3.144	3.514	4.700	3.943	4.210	4.770	5.181	5.902	6.488	7.488	10.549	17.881			
CLOCK HR. COR.	1.140	1.170	1.140	1.020	1.016	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
CALCULATED SKW	1.166	1.313	1.355	1.119	1.916	1.573	1.304	1.305	1.175	1.444	1.294	1.633	.337			
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SKW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
KURTOSIS	3.0465	5.489	5.344	4.864	4.665	7.605	7.741	7.649	2.382	2.710	2.692	3.266	2.457			
II	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956		
RECORD MAXIMUM	9.190	7.620	8.600	8.610	10.347	8.890	8.890	9.049	10.621	11.940	13.490	20.700	29.660			
NORMALIZED MAX	1.093	2.584	2.669	1.661	2.633	2.629	1.940	1.782	1.844	2.052	1.952	2.268	2.001			
CALC. COEF. VAN	.535	.544	.462	.440	.472	.458	.334	.422	.433	.413	.413	.424	.329			
REGN. COEF. VAN	.413	.430	.430	.423	.421	.417	.410	.403	.402	.393	.393	.394	.332			
USED COEF. VAN	.413	.430	.430	.423	.421	.417	.410	.403	.402	.393	.393	.394	.332			
MEAN/A	.1439	.1761	.1965	.2097	.2205	.2354	.2668	.2802	.3101	.3672	.4180	.5900	1.0000			
WE10/A	.2216	.2773	.3097	.3242	.3447	.3670	.4136	.4467	.5074	.5558	.6381	.9006	1.4437			
WE25/A	.2649	.3372	.3747	.3926	.4118	.4340	.4942	.5262	.5945	.6475	.7424	.1.0532	1.6617			
WE50/A	.2961	.3801	.4129	.4219	.4437	.4655	.5245	.5564	.6252	.6712	.7712	.1.1600	1.8144			
WE100/A	.3444	.4234	.4529	.4719	.4925	.5164	.5745	.6074	.6717	.7217	.8145	.1.2639	1.9098			
RP1000/A	.4230	.5614	.6153	.6283	.6534	.6863	.7623	.8033	.8933	.9564	1.0936	1.5715	2.0493			
RP10000/A	.5156	.6494	.7574	.7641	.7733	.8202	.9153	.9601	1.0600	1.2163	1.2667	1.8687	2.2624			
PMP/A	1.0135	1.3119	1.4642	1.5197	1.6109	1.7080	1.9074	2.0492	2.3204	2.5343	2.8874	4.0766	5.9800			

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	FLEV	SEC	TAP	RNG	LAT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE		
ASN ORDER S/N 010 3245 0	FRENCH RANCH	427	1M27	30	115	07E	J	36°49'48"	121°23'33"				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.01	3.33	3.61	4.12	4.55	5.10	5.80	6.48	7.62	11.25	19.84	
5	3.29	4.35	4.87	5.16	5.60	5.82	6.43	8.05	8.94	10.49	15.52	26.12	
10	4.03	5.25	5.86	6.17	6.50	6.89	7.61	9.42	10.41	12.17	16.12	29.95	
20	4.63	6.12	6.80	7.11	7.47	7.88	8.49	10.65	11.72	13.69	20.67	33.42	
25	4.87	6.39	7.09	7.41	7.77	8.19	9.02	10.83	12.13	14.15	24.48		
40	5.21	6.95	7.70	7.02	7.49	8.02	9.71	10.55	11.81	12.94	22.60	34.84	
50	5.39	7.22	7.98	8.31	8.64	9.21	10.43	11.40	12.17	13.25	22.34	37.64	
100	6.44	8.43	9.46	9.45	9.56	9.99	10.92	11.89	12.55	14.45	16.84	24.06	
200	6.48	8.63	9.71	10.03	10.14	10.55	11.93	12.87	14.29	15.53	18.10	27.36	
1000	7.70	10.65	11.64	11.95	12.33	12.77	14.03	15.02	16.58	17.91	20.85	31.72	
10000	9.38	12.19	14.34	14.61	14.97	15.40	16.90	17.95	19.68	21.07	24.53	37.60	
PMP	18.44	24.86	27.70	c.491	30.38	32.17	35.10	38.23	43.07	47.46	55.05	82.03	124.07
MEAN	2.617	3.336	3.719	3.935	4.161	4.421	4.909	5.426	6.127	6.794	7.984	11.871	20.747
CLOCK HR. COR.	1.140	1.164	2.011	1.930	1.008	1.016	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.577	1.941	2.011	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.495	7.639	8.180	7.542	7.299	6.430	4.998	5.134	4.837	4.096	3.700	4.326	2.955
II	36	36	36	36	36	36	36	36	36	36	36	36	35
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.500	8.650	10.100	11.750	10.710	11.000	11.200	12.35	13.380	14.410	15.710	23.790	34.560
NORMALIZED MAX	2.428	3.243	3.504	3.623	3.473	3.730	3.046	3.240	3.230	3.018	2.830	2.996	2.319
CALC. COEF. VAN	.454	.491	.490	.469	.456	.435	.415	.394	.366	.371	.342	.335	.287
REGN. COEF. VAR	.403	.431	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1261	.1606	.1792	.1897	.2006	.2131	.2366	.2615	.2953	.3275	.3846	.5722	1.0000
WE10/A	.1943	.2523	.2824	.2972	.3135	.3322	.3607	.4027	.4540	.5016	.5864	.8735	1.4437
WE25/A	.2323	.3179	.3417	.3572	.3746	.3946	.4349	.4743	.5220	.5820	.6482	.8125	1.517
WE50/A	.2557	.3479	.3747	.3943	.4300	.4632	.5032	.5436	.5936	.6419	.7188	.8152	.8144
WE100/A	.2643	.3427	.3624	.3824	.4081	.4250	.4724	.5233	.5696	.6194	.7119	.8229	.1.9598
RP1000/A	.3709	.5131	.5612	.5760	.5463	.6157	.6762	.7241	.7992	.8612	1.0049	1.5290	2.4091
RP10000/A	.4522	.6356	.6910	.7462	.7216	.7424	.8145	.8654	.9482	1.0166	1.1825	1.8124	2.8264
PMP/A	.8887	1.1989	1.3353	1.4641	1.5456	1.6918	2.0474	2.0762	2.2874	2.6534	3.9538	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 010 3417 0 GILROY 173 146 9A 115 04E M 37.000 121.547 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.67	3.19	3.63	3.75	4.31	4.66	5.05	5.43	6.21	6.83	8.07	11.38	19.56
5	3.48	4.60	5.22	5.65	6.13	6.56	7.09	7.5	8.61	9.42	11.08	15.69	25.75
10	4.13	5.56	6.28	6.75	7.29	7.77	8.38	8.88	10.08	10.98	12.88	18.32	29.53
20	4.74	6.14	7.04	7.43	8.01	8.57	9.57	10.97	11.40	12.47	14.50	20.70	32.95
50	5.49	6.76	7.50	8.12	9.23	9.7	10.7	11.7	12.7	13.7	15.79	21.31	32.39
40	5.34	7.35	8.25	8.79	9.48	9.94	11.23	12.63	13.65	15.99	22.91	30.13	
50	5.53	7.63	8.56	9.10	9.73	10.27	11.05	11.58	13.02	14.05	16.45	23.60	37.12
100	6.09	8.49	9.49	10.05	10.71	11.25	12.11	12.65	14.17	15.24	17.83	25.67	40.09
200	6.64	9.34	10.41	11.43	11.67	12.23	13.15	13.68	15.28	16.38	19.16	27.66	42.96
1000	7.89	11.26	12.48	13.19	14.40	15.46	15.98	17.74	18.89	22.05	32.07	49.29	
10000	9.69	13.95	15.37	16.00	16.79	17.35	18.67	19.10	21.05	22.24	28.01	57.82	
PMF	18.91	26.29	29.70	31.68	34.00	36.16	38.00	40.66	46.88	50.05	58.29	82.92	122.34

MEAN	2.684	3.529	3.907	4.310	4.666	4.983	5.410	5.771	6.554	7.166	8.454	12.000	20.458
CLOCK HR. COR.	1.140	1.070	1.490	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.743	1.545	1.500	1.240	1.154	1.071	1.022	.835	.647	.536	.824	.588	.483
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.800	.800	.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.800	.800	.800

KUNTOSIS	7.429	5.929	5.994	4.879	4.725	4.505	4.397	3.843	3.409	3.181	4.043	2.796	4.343
N	99	99	99	99	99	99	99	99	99	99	99	98	98
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1890
RECORD MAXIMUM	7.130	9.648	11.00	11.250	12.640	13.640	14.200	14.33	15.630	16.690	20.150	23.990	48.040
NORMALIZED MAX	3.605	3.98	3.899	3.540	3.400	3.288	3.283	3.204	3.300	3.300	3.300	2.526	3.923
CALC. COEF. VAR	.459	.467	.455	.448	.450	.452	.453	.423	.423	.408	.398	.398	.344
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.312	1.725	1.049	2.107	.2281	.2436	.2664	.2821	.3204	.3503	.4132	.5866	1.0000
RP10/A	.2024	.216	.3071	.300	.3595	.318	.404	.412	.425	.5365	.543	.8954	.937
RP25/A	.2416	.3303	.3716	.3967	.4559	.4511	.489	.5116	.571	.6001	.7326	.1.034	.1.17
RP50/A	.2701	.3731	.4447	.475	.5018	.5040	.5661	.6363	.6866	.8041	.1.5335	.1.8144	
RP100/A	.2977	.4151	.4640	.4913	.5237	.5506	.5921	.6183	.6927	.7449	.8718	.1.2547	.1.9598
RP1000/A	.3458	.5504	.6102	.6398	.6757	.7039	.7557	.7809	.8671	.9233	.1.5675	.2.4091	
RP10000/A	.4703	.6817	.7514	.8782	.8205	.8487	.9103	.9334	.1.0289	.1.0873	.1.2697	.1.8579	.2.8264
PMF/A	.9244	1.2850	1.4520	1.5474	1.6649	1.7673	1.8907	1.9874	2.2523	2.4466	2.8492	4.0532	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 010 3925 0 HERNANDEZ 2 NW 2160 29 175 10E M 36.417 120.917 35

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.93	2.64	2.63	2.83	3.06	3.31	3.68	4.01	4.70	5.39	6.30	9.00	15.14
5	2.72	3.52	3.79	4.05	4.35	4.68	5.17	5.58	6.51	7.44	8.65	12.41	19.93
10	3.23	4.26	4.36	4.84	5.18	5.54	6.11	6.56	7.62	8.66	10.49	14.49	22.86
20	3.71	4.96	5.29	5.58	5.95	6.33	6.98	7.46	8.63	9.75	11.32	16.37	25.50
25	3.85	5.18	5.52	5.82	6.14	6.59	7.24	7.72	8.82	10.09	11.71	16.15	26.31
50	4.17	5.54	6.04	6.40	6.30	7.09	7.79	8.29	9.56	10.77	12.49	16.12	
50	4.32	5.85	6.22	6.52	6.91	7.33	8.05	8.55	9.85	11.08	12.85	16.87	28.73
100	4.76	6.51	7.90	7.20	7.61	8.04	8.83	9.3	10.72	12.02	13.93	21.30	
200	5.19	7.16	7.56	7.87	8.29	8.73	9.58	10.11	11.42	12.92	14.97	21.88	33.25
1000	6.17	8.63	9.07	9.38	9.81	10.24	11.27	11.80	13.42	14.90	17.24	25.36	38.15
10000	7.52	10.69	11.17	11.47	11.92	12.39	13.57	14.11	15.93	17.55	20.29	30.06	44.75
PMF	14.78	20.15	21.58	22.69	25.18	25.80	26.19	30.63	34.87	39.49	45.52	65.59	94.89

MEAN	2.099	2.705	2.896	3.089	3.312	3.557	3.943	4.263	4.960	5.654	6.603	9.492	15.834
CLOCK HR. COR.	1.150	1.070	1.940	1.020	1.000	1.000	1.020	1.011	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.120	2.073	1.900	1.403	1.033	1.079	1.033	1.020	1.011	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.800	.800	.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.800	.800	.800

KUNTOSIS	4.630	9.240	7.612	5.720	5.288	4.111	3.629	3.586	2.791	2.778	2.928	4.159	4.500
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.640	6.270	6.690	6.940	7.360	7.530	7.920	8.300	9.100	10.170	12.430	18.690	31.490
NORMALIZED MAX	2.129	3.124	3.038	2.938	2.801	2.686	2.410	2.331	2.002	2.694	2.409	2.407	2.580
CALC. COEF. VAR	.345	.422	.437	.424	.420	.416	.419	.406	.417	.398	.403	.403	.383
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1325	.1768	.1829	.1951	.2092	.2246	.2490	.2692	.3132	.3571	.4170	.5995	1.0000
RP10/A	.204	.2699	.2897	.3077	.3570	.3592	.3852	.3845	.4115	.4740	.6353	.9131	.4437
RP25/A	.2440	.3271	.3987	.4073	.4194	.4575	.4882	.4882	.5373	.6373	.7193	.1.0722	.1.6617
RP50/A	.2728	.3696	.3726	.4118	.4362	.4627	.5043	.5622	.7000	.8114	.1.1786	.1.8144	
RP100/A	.3008	.4111	.4355	.4550	.4893	.5077	.5576	.5901	.6772	.7593	.8797	.1.2823	.1.9598
RP1000/A	.3897	.5451	.5727	.5924	.6197	.6490	.7116	.7453	.8477	.9412	1.0889	.1.6019	2.4091
RP10000/A	.4750	.6752	.7051	.7242	.7525	.7826	.8171	.8598	.1.0059	.1.0405	.1.2813	.1.8988	.2.8264
PMF/A	.9337	1.2726	1.3627	1.4328	1.5269	1.6293	1.7803	1.8986	2.2020	2.494	2.8752	4.1422	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELV SEC TWP HNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB MOUNT MADONNA 1800 01 105 02E H M 37.017 121.717 44  
010 5973 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.50	5.57	6.33	6.43	7.52	8.07	9.02	9.83	10.90	12.37	14.52	20.07	34.43
5	6.32	8.04	9.11	9.67	10.69	11.40	12.27	13.10	15.12	17.08	19.94	27.68	55.33
10	7.52	9.72	10.96	11.57	12.72	13.50	14.98	16.11	17.70	19.47	21.18	32.32	51.99
20	8.49	11.02	12.36	13.46	14.61	15.45	17.11	18.29	20.29	22.39	26.09	36.51	58.00
25	8.99	11.62	13.26	14.02	15.29	16.05	17.77	18.96	20.73	23.15	26.97	37.80	59.84
40	9.71	12.66	14.40	15.18	15.49	17.28	19.12	20.34	22.19	24.71	28.77	40.42	63.60
50	10.05	13.35	14.93	15.72	16.97	17.85	19.47	20.98	22.86	25.43	29.69	41.63	65.34
100	11.04	14.85	16.56	17.37	18.69	19.50	21.61	22.92	24.89	27.58	32.10	45.29	70.57
200	12.04	16.33	18.16	19.38	20.38	21.28	23.51	24.79	26.84	29.65	34.40	48.51	74.51
1000	14.35	19.69	21.78	22.61	24.11	25.46	27.63	29.95	31.15	34.19	39.73	56.58	86.76
10000	17.49	24.33	26.62	27.66	29.27	30.10	33.24	34.60	36.87	40.21	42.75	67.06	101.78
PMF	14.38	45.97	51.92	54.59	59.46	62.88	69.13	73.06	80.92	90.60	104.90	146.30	215.34

MEAN 4.581 6.171 6.956 7.449 8.137 8.567 9.669 10.456 11.511 12.971 15.214 21.172 36.011  
CLOCK HR. COR. 1.140 1.170 1.040 1.020 1.010 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.377 1.338 1.466 1.597 1.714 1.849 1.380 1.406 1.484 1.501 1.535 1.821 1.250  
REGIONAL SKEW 1.200 1.400 1.300 1.270 1.100 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
SKEW USED 1.200 1.400 1.300 1.270 1.100 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

KURTOSIS 4.349 4.118 5.492 5.493 6.254 6.927 5.057 4.741 3.301 3.796 4.389 3.058 1.943  
RECORD YEAR 1951 1951 1951 1951 1951 1951 1951 1951 1951 1951 1951 1951 1951  
RECORD MAXIMUM 10.40 13.40 14.00 14.00 21.10 24.10 24.00 24.00 24.70 24.70 29.40 34.50 38.97 44.630  
NORMALIZED MAX 7.148 10.687 2.414 2.911 2.948 2.862 2.746 2.684 2.264 2.502 2.704 2.135 1.626  
CALC. COEF. VAH .571 .618 .659 .632 .658 .650 .552 .511 .509 .507 .470 .394 .318  
REGN. COEF. VAH .403 .430 .430 .423 .420 .417 .410 .403 .402 .399 .393 .394 .332  
USED COEF. VAH .403 .430 .430 .423 .420 .417 .410 .403 .402 .399 .393 .394 .332

NEG/N/A .1555 .1714 .1922 .2068 .2260 .2497 .2605 .2904 .3197 .3602 .4225 .5879 1.000  
HP10/4 .2088 .2499 .3164 .3240 .3532 .3752 .4150 .4701 .4914 .5518 .6438 .8975 1.4437  
HP23/4 .2496 .3282 .3683 .3894 .4220 .4457 .4934 .5266 .5758 .6428 .7490 1.0496 1.6617  
HP50/4 .2790 .3707 .4197 .4305 .4713 .4958 .5483 .5827 .6349 .7061 .8221 1.1562 1.8144  
AP100/4A .3076 .4124 .4599 .4822 .5189 .5404 .6012 .6364 .6912 .7660 .8913 1.2576 1.9598  
AP100U/4A .3205 .5668 .6048 .6279 .6645 .6954 .7573 .8038 .8651 .9495 1.1033 1.5711 2.4091  
AP1000/4A .4858 .6774 .7467 .7676 .8129 .8395 .9244 .9607 1.0266 1.1182 1.2982 1.8623 2.6264  
PMF/4 .9548 1.2767 1.4391 1.5187 1.6495 1.7460 1.9197 2.0456 2.2472 2.5160 2.9131 4.0627 5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELV SEC TWP HNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB MT MADONNA COUNTY PARK 1800 01 115 02E H M 37.012 121.703 43  
010 5973 11

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	9650
2	3.25	4.13	4.64	5.02	5.44	5.85	6.47	7.11	8.06	8.78	10.08	14.95	25.40
5	4.57	6.05	6.68	7.16	7.72	8.26	9.09	9.93	11.17	12.11	13.43	20.61	33.44
10	5.43	7.31	8.04	9.19	9.78	10.78	11.64	13.08	14.75	16.41	18.40	26.44	42.78
20	6.74	8.51	9.33	9.89	10.40	11.18	12.27	13.71	15.20	16.49	18.10	27.19	47.70
25	6.64	8.49	9.27	10.34	10.90	11.46	12.55	13.71	15.32	16.43	17.82	26.15	44.14
40	7.12	9.67	11.57	11.15	11.14	12.51	13.72	14.71	16.40	17.53	19.97	30.40	46.91
50	7.26	10.04	11.96	11.54	12.27	12.93	14.17	15.17	16.90	18.03	20.54	31.01	46.19
100	8.00	11.16	12.15	12.75	13.51	14.18	15.53	16.57	18.40	19.57	22.27	33.74	52.06
200	8.73	12.27	13.32	13.93	14.71	15.40	16.86	17.94	19.84	21.06	23.93	36.35	55.77
1000	10.37	14.86	15.94	16.60	17.43	18.13	19.82	20.93	23.02	24.26	27.45	42.00	62.99
10000	12.64	19.34	19.68	20.30	21.11	21.86	23.88	25.01	27.32	29.51	32.44	44.94	75.07
PMF	2.45	3.45	3.042	4.016	4.214	4.592	4.960	5.326	5.981	6.429	7.29	10.895	15.84

MEAN 3.527 4.639 5.104 5.68 5.952 6.274 6.937 7.560 8.508 9.255 10.556 15.767 26.562  
CLOCK HR. COR. 1.140 1.170 1.040 1.020 1.010 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.495 .977 1.158 1.205 1.108 .853 .534 .535 .599 .555 .554 .354 -.038  
REGIONAL SKEW 1.200 1.400 1.300 1.200 1.100 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
SKEW USED 1.200 1.400 1.300 1.200 1.100 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

KURTOSIS 3.793 5.155 .4983 4.465 4.371 3.043 2.937 2.948 3.028 3.174 2.993 3.276  
RECORD YEAR 1956 1963 1963 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956  
RECORD MAXIMUM 6.250 10.420 12.970 13.430 14.490 15.140 15.190 16.340 16.940 17.410 20.251 24.163 27.316 2.007  
NORMALIZED MAX 2.661 2.474 3.061 2.917 3.043 2.966 2.962 2.941 2.947 2.941 2.949 2.945 2.941 2.446  
CALC. COEF. VAH .593 .501 .556 .525 .514 .509 .481 .476 .499 .485 .491 .478 .478 .446  
REGN. COEF. VAH .403 .430 .430 .423 .420 .417 .410 .403 .402 .399 .393 .394 .332  
USED COEF. VAH .403 .430 .430 .423 .420 .417 .410 .403 .402 .399 .393 .394 .332

MEAN/A .1398 .1746 .1921 .2059 .2214 .2352 .2612 .2846 .3020 .3445 .3974 .5935 1.0000  
HP10/4 .2045 .2750 .3028 .3126 .3461 .3883 .4047 .4182 .4264 .5308 .6056 .9062 1.4437  
HP23/4 .2455 .3344 .3633 .3876 .4135 .4374 .4799 .5161 .5769 .6186 .7066 .10598 1.6617  
HP50/4 .2733 .3776 .4125 .4346 .4610 .4866 .5133 .5712 .6361 .6793 .7733 1.1673 1.8144  
AP100/4A .3013 .4203 .4574 .4860 .5085 .539 .5648 .6238 .6925 .7369 .8384 1.2698 1.9588  
AP1000/4A .3904 .5573 .6016 .6251 .6561 .6875 .7463 .7873 .8666 .9135 1.0379 1.5863 2.4091  
AP10000/4A .6759 .6903 .7507 .7643 .7966 .8230 .9990 .9417 1.0286 1.0757 1.2212 1.8802 2.4262  
PMF/A .9354 1.3111 1.4315 1.5120 1.6145 1.7138 1.8673 2.0055 2.2517 2.4205 2.4703 4.1018 5.9800

PFAIRSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TYP RNG LAT HME LONGITUDE COUNTY CODE  
ASN ORDER SUB D10 AB10 0 PAICINES OHMALL RCH 444 450 12 145 65E H 36°7.33 121°36'37" 35

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	80D	365D
2	1.68	2.16	2.50	2.74	2.96	3.23	3.53	3.93	4.53	5.01	5.97	8.41	14.52	
5	2.37	3.11	3.60	3.92	4.21	4.56	4.94	5.47	6.29	6.91	8.20	11.60	19.24	
10	2.82	3.76	4.34	4.68	5.01	5.41	5.86	5.43	7.36	8.04	9.54	13.55	22.07	
20	3.24	4.38	5.03	5.49	6.00	6.18	6.69	7.26	8.33	9.07	10.73	15.31	24.62	
50	3.74	4.86	5.50	5.93	6.42	6.92	7.47	8.26	9.77	11.00	15.64	25.40		
100	3.94	4.99	5.70	6.09	6.11	6.01	6.49	8.12	9.23	10.00	11.81	16.94	27.00	
200	3.76	5.17	5.91	6.31	6.64	7.14	7.73	8.38	9.51	10.29	12.18	17.45	27.73	
400	4.15	5.75	6.55	6.97	7.36	7.84	8.47	9.15	10.35	11.17	13.20	18.98	29.96	
1000	4.53	6.32	7.19	7.62	8.02	8.51	9.19	9.91	11.15	12.00	14.19	20.46	32.10	
10000	5.38	7.62	8.62	9.05	9.50	10.07	10.61	11.56	12.94	13.84	16.34	23.72	36.83	
RPD/A	6.45	9.44	10.61	11.10	11.54	12.08	13.07	13.82	15.36	16.30	19.23	28.11	43.20	
RPD/H	12.88	17.80	20.51	21.95	23.01	25.15	27.05	29.42	33.66	34.67	43.16	61.32	91.41	

MEAN	1.429	2.389	2.753	2.984	3.207	3.467	3.783	4.176	4.788	5.250	6.259	8.874	15.286
CLOCK Hr. CUM.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	2.921	2.714	2.474	1.951	1.733	1.498	1.201	1.296	0.975	0.900	0.659	0.837	0.671
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.000	0.900	0.800	0.700	0.700	0.800	0.800	0.800
SKW USED	1.200	1.400	1.300	1.200	1.100	1.000	0.901	0.800	0.700	0.700	0.800	0.800	0.800

KURTOSIS	14.256	12.940	11.641	9.084	8.078	7.046	5.062	5.772	4.449	4.026	2.788	3.468	2.679
N	45	45	45	45	45	45	45	45	45	45	45	45	47
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAX	5.20	7.520	8.620	8.650	9.040	9.050	10.350	11.030	11.430	12.200	18.540	26.380	
NORMALIZED MAX	3.14	4.74	4.75	4.75	3.944	3.944	3.364	3.364	3.364	3.364	2.844	2.844	2.223
CALC. COEF. VAH	.557	.514	.502	.466	.444	.422	.413	.389	.382	.379	.393	.394	.337
REGN. COEF. VAH	.403	.430	.430	.423	.420	.417	.410	.403	.402	.398	.393	.394	.332
USED COEF. VAH	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.16	1.153	1.001	1.045	2.098	2.226	2.75	2.732	3.132	3.335	4.095	5.806	10.000	
RPD/10A	1.16	1.482	.970	.950	1.31	1.34	1.39	1.395	1.400	1.405	1.420	1.463	1.537	
RPD/20A	2.293	.997	3.340	3.382	1.914	2.000	4.55	4.655	5.542	5.520	5.729	10.036	16.617	
RPD/50A	2.043	.332	3.366	3.382	1.428	1.437	4.673	2.054	5.540	5.622	6.733	7.967	11.147	18.144
RPD/100A	.2715	.3762	.4288	.551	.4918	.5127	.5541	.5897	.6773	.7305	.8638	1.2419	1.9598	
RPD/1000A	.3510	.6988	.5639	.5930	.6216	.6554	.7072	.7567	.8477	.9054	1.0693	1.5515	2.4091	
RPD/10000A	.4786	.6179	.6344	.7260	.7348	.7913	.8459	.9038	1.0059	1.0663	1.2581	1.8389	2.8264	
RPD/H	.8429	1.1646	1.3419	1.4303	1.5315	1.6456	1.7694	1.9245	2.2020	2.3993	2.4922	4.0117	5.9800	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TYP RNG LAT HME LONGITUDE COUNTY CODE  
ASN ORDER SUB D10 6689 1 PARADISE VALLEY 425 05 105 USE N M 37°05' 121°44' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	80D	365D
2	3.00	3.72	4.14	4.44	5.00	5.31	5.87	6.27	6.97	7.91	9.25	13.13	20.85	
5	4.22	5.36	5.96	6.41	7.14	7.56	8.25	8.76	9.67	10.91	12.70	18.10	27.45	
10	5.07	6.46	7.17	7.61	8.55	8.88	9.75	10.27	11.32	12.71	14.77	21.14	31.48	
20	5.77	7.54	8.32	8.84	9.82	10.16	11.13	11.67	12.81	14.32	16.52	23.00	35.12	
50	6.46	8.09	8.86	9.40	10.35	10.75	11.75	12.35	13.55	14.84	16.92	24.72	37.34	
100	6.94	8.57	9.42	9.97	10.81	11.36	12.44	13.59	15.81	17.81	20.64	28.51	38.51	
200	7.61	9.19	9.77	10.32	11.61	11.74	12.85	13.39	14.62	16.27	18.86	27.23	39.57	
500	8.71	10.89	11.32	11.61	11.74	12.85	13.39	14.62	16.27	18.86	27.23	39.57		
1000	7.60	9.99	11.83	11.41	12.56	12.88	14.09	14.62	15.92	17.65	20.45	28.74	42.74	
2000	8.67	11.89	11.86	12.66	13.49	13.99	15.29	16.56	17.17	18.47	21.97	31.92	45.79	
10000	11.68	13.13	14.25	14.85	16.21	16.46	17.98	18.47	19.93	21.87	25.31	37.01	52.53	
RPD/A	16.28	16.28	17.56	17.11	18.68	19.45	21.66	22.04	23.65	25.76	29.78	43.06	61.63	
RPD/H	29.96	31.85	33.90	35.92	39.94	41.34	44.94	47.01	51.77	57.48	68.92	92.70	130.40	

MEAN	3.259	4.114	4.551	4.890	5.471	5.698	6.292	6.572	7.364	8.298	9.691	13.849	21.806
CLOCK Hr. CUM.	1.140	1.170	1.040	1.020	1.01	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.224	.779	1.094	.733	.752	.934	.872	.863	.967	.805	.768	.567	.694
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.277	3.454	4.030	3.265	3.527	3.941	3.478	3.347	3.618	3.134	3.070	2.660	2.574
N	25	25	25	25	25	25	25	25	25	25	27	27	27
RECORD YEAR	1959	1967	1969	1967	1956	1956	1956	1956	1959	1969	1969	1969	1967
RECORD MAX	6.351	7.759	9.150	9.150	12.040	13.200	13.950	14.28	16.450	18.020	21.570	27.800	38.820
NORMALIZED MAX	2.061	2.670	2.065	1.968	2.626	2.626	2.626	2.626	2.626	2.626	2.626	2.626	2.626
CALC. COEF. VAH	.461	.129	.452	.436	.397	.492	.490	.523	.494	.494	.494	.494	.385
REGN. COEF. VAH	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAH	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	.1495	.1887	.2087	.2243	.2509	.2613	.2885	.3050	.3377	.3805	.4444	.6351	1.0000	
RPD/10A	.2971	.2988	.3516	.3222	.4073	.4471	.4711	.5191	.5829	.5773	.6995	.4437		
RPD/20A	.2759	.2713	.3979	.4223	.4685	.4933	.5302	.5549	.6082	.6791	.7879	.11338	.16617	
RPD/50A	.3177	.4182	.4480	.4724	.5923	.5939	.6192	.6161	.6707	.7459	.8684	.12489	.18144	
RPD/100A	.3392	.4541	.4938	.5230	.5761	.5916	.6461	.6707	.7301	.8092	.9376	.13585	.19598	
RPD/1000A	.4395	.6620	.6538	.6810	.7433	.7556	.8245	.8471	.9133	1.0031	1.1600	.15972	2.4091	
RPD/10000A	.5358	.7454	.8045	.8226	.9125	.9103	.9532	.9745	1.0120	1.0845	1.1813	.13585	2.0117	2.8264
RPD/H	1.0530	1.4595	1.4557	1.6472	1.8314	1.8956	2.0429	2.1557	2.3739	2.6550	3.0484	4.3886	5.8000	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEFINITIVE

<http://www.jstor.org/page/info/about/policies/terms.jsp>

STATION NO. STATION NAME  
ASN ORDER SUB PEABODY RANCH

MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS AND HOURS

KUHTUSIIS 3.749 4.554 4.594 3.651 3.545 4.321 3.204 3.164 2.963 3.197 3.035 2.137 2.845

RECORD	MAXIMUM	4,100	6,531 <sup>b</sup>	7,430	7,541	H-7410	9,530	9,530	11,310 <sup>a</sup>	11,550	12,450	14,490	19,250	36,490	
NORMALIZED	MAX	1,996	2,346	2,620	2,521	B-7960	2,922	2,640	2,671	2,383	2,299	2,229	1,880	2,257	
CALC.	COFF.	VAR	.793	.460	.455	.423	.434	.428	.403	.383	.400	.392	.382	.370	.325
WAVE	LEN	CM <sup>-1</sup>	1,000	1,020	1,040	1,060	1,080	1,100	1,120	1,140	1,160	1,180	1,200	1,220	

REGN. COEF. VAR. +4.03 +4.31 +4.30 +4.23 +4.20 +4.17 +4.10 +4.03 +4.02 +3.94 +3.94 +3.94  
USEO COEF. VAH +4.03 +4.31 +4.30 +4.23 +4.20 +4.17 +4.10 +4.03 +4.02 +3.99 +3.93 +3.94 +3.94

MEAN/A .1326 .1665 .1807 .1943 .2134 .2261 .2466 .271X .3154 .3551 .4177 .6060 1.0000  
 MEAN/B .1320 .1662 .1808 .1941 .2131 .2258 .2462 .2702 .3145 .3548 .4170 .6055 1.0000

RP10/4 +1854 +2029 +2040 +3030 +3344 +3524 +4121 +4103 +4443 +4453 +5310 +5221 +1443  
RP25/4 +2254 +1844 +3446 +3654 +3495 +4147 +4531 +4929 +5611 +6337 +7405 +10819 +14617

**HPI100-30/A** .3606 .5314 .6565 .4916 .6331 .6532 .7047 .7525 .8535 .9360 1.0907 1.6194 2.4091

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 5010-7719-0  
ASN ORDER SUB SAN BENITO

MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
4	2.42	2.22	2.46	2.57	2.70	2.92	3.11	3.40	3.92	4.33	5.17	7.02	12.09
5	2.45	2.40	3.54	3.67	3.41	4.13	4.37	4.74	5.49	5.97	7.09	9.68	15.92
10	3.38	3.67	4.26	4.39	4.66	4.89	5.17	5.57	6.37	6.96	8.25	11.30	18.26
20	3.89	4.51	4.94	5.07	5.45	5.49	5.90	6.33	7.21	7.84	9.28	12.77	20.37
25	4.04	4.71	5.16	5.28	5.57	5.94	6.13	6.56	7.46	8.18	9.61	13.22	21.02
40	4.37	5.12	5.60	5.72	5.97	6.26	6.59	7.41	8.47	9.45	10.46	14.24	22.95
50	4.52	5.27	5.74	5.85	6.02	6.30	6.57	7.45	8.53	9.50	10.53	14.56	23.50
100	4.98	5.51	6.44	6.56	6.84	7.09	7.47	7.93	8.96	9.66	11.62	15.84	24.79
200	5.44	6.50	7.66	7.15	7.46	7.70	8.10	8.55	9.66	10.38	12.27	17.07	26.56
1000	6.46	7.84	8.47	8.52	8.83	9.07	9.53	10.10	11.21	11.97	14.14	19.79	39.47
10000	7.97	9.71	10.42	11.41	10.72	10.93	11.44	11.97	13.31	14.09	16.63	23.45	45.75

PEARSON TYPE III DISTRIBUTION USED  
PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TMP	RNG	LOT	HUM	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB 010 78A3 1	SAN MARTIN	312						37°11'17"	121°54'57"	43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
<	2.4H	2.8H	3.12	3.41	3.64	3.84	4.29	4.69	5.39	5.93	7.02	9.91	16.36
5	5.4H	4.05	4.49	4.87	5.17	5.42	5.73	6.53	7.49	8.18	9.66	13.67	21.54
10	11.7H	8.48	9.12	9.75	10.15	10.59	11.13	12.04	13.76	14.63	11.21	15.97	24.70
20	24.7H	16.23	16.26	16.72	17.17	17.36	18.15	18.77	19.91	19.74	12.61	16.04	27.56
25	31.9H	19.53	19.53	19.70	19.75	19.76	19.84	19.94	19.99	11.85	13.91	19.97	30.22
50	51.35	44.46	44.46	44.47	44.47	44.47	44.47	44.47	44.47	44.47	44.47	44.47	44.47
100	102.7H	87.71	73.35	73.44	82.21	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41
200	205.4H	174.47	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26
500	501.0H	417.73	112.89	114.66	114.90	114.90	114.90	114.90	114.90	114.90	114.90	114.90	114.90
1000	1002.0H	112.20	112.20	112.20	112.20	112.20	112.20	112.20	112.20	112.20	112.20	112.20	112.20
PMF	14.94	24.11	25.53	27.24	29.71	29.47	32.92	35.13	40.05	43.46	50.72	72.27	112.32

MEAN	2.4H	3.102	3.26	3.716	4.936	4.117	4.604	4.985	5.697	6.222	7.358	10.459	17.111
CLOCK HR., CUR.	1.140	1.476	1.324	1.202	1.210	1.130	1.053	1.003	1.000	1.000	1.079	1.000	1.000
CALCULATED SKL	1.172	1.391	1.266	1.196	1.207	1.120	1.050	1.000	9.527	.901	.880	.904	.945
REGIONAL SKL	1.200	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.800
SKL USED	1.200	1.400	1.300	1.200	1.200	1.100	1.100	1.100	1.100	1.100	1.100	1.100	.800

KUNTOIS	4.127	4.612	4.421	3.730	3.361	3.776	4.127	3.523	3.605	3.452	3.438	3.364	
REC'D YR.	4.47	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
RECORD YEAR	1.145	1.346	1.292	1.069	1.059	1.059	1.059	1.059	1.059	1.059	1.059	1.059	1.059
RECORD MAXIMUM	5.696	7.199	7.499	6.130	4.450	4.210	11.190	11.190	12.237	14.110	16.440	23.420	32.120
NORMALIZED MAE	2.293	2.446	2.717	2.625	2.549	2.547	3.195	3.195	3.000	3.019	3.002	3.002	3.002
CALC. COEF. VAR	.566	.694	.680	.450	.450	.450	.441	.440	.421	.423	.409	.413	.356
REGN. COEF. VAR	.403	.431	.430	.423	.423	.423	.417	.410	.403	.402	.399	.394	.332
USED COEF. VAR	.411	.430	.430	.423	.423	.423	.417	.410	.403	.402	.399	.394	.332

MEAN/A	.1571	.1613	.2002	.212	.2405	.246	.2691	.294	.333	.3638	.4299	.5112	.6000
HP1/1A	.2420	.2555	.3155	.3413	.3495	.3751	.4170	.4488	.5118	.5570	.6551	.9331	.14437
HP2/2A	.2493	.3471	.3491	.4089	.4246	.4456	.4744	.5284	.5997	.6493	.7622	.10412	.16417
HP3/3A	.2724	.3122	.4294	.4564	.4747	.4947	.5495	.5884	.6613	.7128	.8435	.12020	.18144
HP4/4A	.3565	.4163	.4767	.4055	.5242	.5439	.5028	.6367	.7199	.7733	.9070	.13075	.19598
PP1/10A	.4191	.5764	.6269	.6495	.6615	.6553	.7404	.8067	.9111	.9585	.1127	.1671	.24491
PP1/100A	.5931	.7165	.7719	.8082	.8275	.8383	.8763	.9562	.10611	.12289	.13201	.14261	.28284
PP1/1000A	.1571	.15050	.14918	.15951	.15951	.15951	.17457	.19240	.20592	.23407	.25199	.26442	.42236

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TMP	RNG	LOT	HUM	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB 020 1751 0	CHUALAP-JACKS FARM	100	03	145	04E	M	36°50'	121°51'	27	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.44	1.82	2.09	2.22	2.37	2.53	2.71	2.96	3.55	3.97	4.81	5.84	12.03
5	2.02	2.61	3.10	3.17	3.34	3.51	3.74	4.11	5.24	5.54	6.41	9.44	24.24
10	2.74	3.17	3.61	3.74	3.94	4.24	4.50	4.95	5.76	6.38	7.69	11.02	20.16
20	3.69	4.19	4.37	4.50	4.74	5.04	5.34	5.71	6.52	7.19	8.65	12.45	20.26
25	2.97	3.88	4.37	4.50	4.70	5.13	5.34	5.71	6.75	7.44	8.94	12.89	20.90
40	5.21	4.20	4.75	4.72	5.01	5.31	5.65	5.94	6.32	7.44	8.17	14.20	22.82
50	3.21	4.35	4.72	4.92	5.11	5.31	5.65	5.94	6.32	7.44	8.17	14.20	22.82
100	7.95	6.45	6.66	6.64	6.85	6.15	6.51	6.91	8.13	8.46	10.64	15.44	24.65
200	10.45	8.33	8.18	7.95	7.45	7.86	8.07	8.73	9.42	9.82	11.33	16.44	24.11
500	5.59	7.96	8.04	8.98	9.17	9.47	10.11	10.43	12.03	12.93	15.59	22.67	35.56
1000	10.96	15.00	17.08	17.77	18.00	19.72	20.78	22.2	26.34	29.10	34.77	49.88	75.23
PMF	14.94	24.11	25.53	27.24	29.71	32.92	35.13	36.55	38.94	39.07	34.83	34.85	

KUNTOIS	4.453	6.127	4.503	4.118	3.723	3.654	3.595	3.143	3.267	3.694	3.079	3.483	3.385
REC'D YR.	2	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1.149	1.607	1.919	1.907	1.97	1.922	1.922	1.922	1.922	1.922	1.922	1.907	1.907
RECORD MAXIMUM	3.170	4.350	4.600	4.450	5.000	5.340	5.410	6.250	7.370	8.020	9.600	15.250	23.630
NORMALIZED MAE	2.290	2.542	2.349	2.295	2.711	2.914	2.498	2.312	2.168	2.129	2.179	2.500	2.551
CALC. COEF. VAR	.452	.456	.428	.410	.394	.417	.414	.425	.446	.435	.415	.445	.344
REGN. COEF. VAR	.403	.431	.430	.423	.423	.423	.417	.410	.403	.402	.393	.394	.332
USED COEF. VAR	.411	.430	.430	.423	.423	.423	.417	.410	.403	.402	.393	.394	.332

MEAN/A	.1239	.1601	.1823	.1923	.2026	.2161	.2311	.2505	.2978	.3312	.4009	.5739	.10000
HP1/1A	.1194	.2521	.2972	.3014	.3166	.3339	.3590	.3557	.4578	.5074	.6109	.8760	.14437
HP2/2A	.2281	.3166	.3475	.3622	.3573	.4009	.4264	.4534	.5364	.5911	.7108	.10245	.16617
HP3/3A	.2556	.3464	.3913	.4060	.4225	.4452	.4719	.5027	.5915	.6493	.7801	.11285	.18144
HP4/4A	.2981	.3453	.3430	.4486	.4652	.4885	.5174	.5490	.6439	.7044	.8456	.12275	.19598
PP1/10A	.3643	.5109	.5777	.6841	.6625	.6265	.5603	.4935	.4731	.4731	.4731	.2431	.2431
PP1/100A	.4440	.5289	.7027	.7114	.7288	.7530	.7428	.7984	.1.0282	.1.2319	.1.6177	.2.864	
PP1/1000A	.2724	.1.1927	.1.4590	.1.4120	.1.5800	.1.0521	.1.7607	.2.0535	.2.3136	.2.7643	.3.9653	.5.9800	

PRECIPITATION TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TIME RHM LATITUDE LONGITUDE COUNTY CODE  
BSN DATER SUB D20 2392 9 DEP. DATE 46 15S 91E N 36°56' 121°47' 27

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (H-DAYS H-HOURS)

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	7650
2	1.57	1.92	2.21	2.33	2.64	2.86	3.12	3.55	4.27	4.88	5.76	8.49	14.50
5	2.21	2.74	3.14	3.41	3.74	4.24	4.38	4.95	5.32	6.70	7.91	11.71	19.08
10	2.63	3.36	3.83	4.19	4.64	4.78	5.12	5.81	6.93	7.89	9.29	13.68	21.89
20	3.02	4.91	4.46	4.71	5.12	5.67	5.92	6.51	7.84	8.79	10.39	15.45	24.42
50	3.40	6.44	5.33	5.10	5.33	5.66	5.84	6.12	7.17	8.17	9.67	16.20	29.59
100	3.79	9.44	5.97	5.11	5.41	5.82	6.01	7.25	8.59	9.70	11.42	15.17	26.77
200	3.81	11.61	6.21	5.49	5.95	6.32	6.93	7.58	8.35	9.48	11.75	17.62	27.51
500	3.87	15.13	5.78	5.07	5.55	5.93	7.49	8.24	9.79	10.83	12.73	19.17	29.71
1000	4.22	15.64	5.34	4.64	5.13	5.53	6.13	6.89	10.51	11.64	13.63	20.65	31.83
10000	5.01	6.81	7.61	7.91	8.42	8.86	9.56	10.45	12.26	13.42	15.76	23.95	36.52
100000	6.11	9.42	4.36	4.67	5.06	5.49	6.26	7.49	14.48	15.81	14.55	26.38	42.85
PER	12.71	15.67	14.19	14.13	20.42	22.25	23.92	26.61	31.70	35.56	41.62	61.92	90.65

MEAN CLCK HR. CUN<sub>4</sub> 1.715 2.131 2.429 2.655 2.847 3.067 3.345 3.776 4.509 5.092 6.030 8.961 15.159  
1.140 1.70 1.040 1.023 1.11 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.291 1.560 1.348 1.123 1.177 1.066 1.082 0.927 0.726 0.433 0.918 0.787 0.944  
REGIONAL SKEW 1.200 1.400 1.300 1.200 1.100 1.000 0.906 0.900 0.700 0.710 0.900 0.800 0.800 0.800  
SKEW USED 1.210 1.400 1.300 1.200 1.100 1.000 0.901 0.801 0.700 0.700 0.900 0.800 0.800 0.800

KURTOSIS 4.127 6.092 5.357 4.900 4.941 3.994 3.636 3.495 2.977 3.755 3.996 2.983 3.776  
-4 37 37 37 37 37 37 37 37 37 37 37 37 37  
RECORD YEAR 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956  
RECORD MAXIMUM 3.0100 4.500 4.490 4.620 5.70 5.810 6.200 6.70 7.610 9.690 12.413 16.660 29.750  
NORMALIZED MAX 2.937 3.233 3.149 3.819 3.17 2.702 2.720 2.350 2.139 2.749 2.914 2.379 2.910  
CALC. COEF. VAN 3.76 3.64 3.15 3.11 3.16 3.19 3.11 3.03 3.27 3.28 3.32 3.31 3.31  
HEON. COEF. VAN 4.03 4.30 3.20 3.23 3.20 3.17 3.10 3.03 3.42 3.42 3.45 3.31 3.31  
USED COEF. VAN 4.03 4.30 3.20 3.23 3.20 3.17 3.10 3.03 3.42 3.42 3.45 3.31 3.31

MEAN/A 1.125 1.406 1.002 1.018 1.081 1.081 1.027 1.027 1.041 1.041 1.041 1.041 1.041 1.0000  
HP10/A 1.172 1.221 1.252 1.252 1.241 1.241 1.241 1.241 1.241 1.241 1.241 1.241 1.241 1.4437  
HP20/A 1.221 1.261 1.296 1.296 1.210 1.210 1.210 1.210 1.210 1.210 1.210 1.210 1.210 1.4437  
HP50/A 2.215 3.141 4.640 4.640 3.67 3.67 3.224 3.224 4.168 4.168 4.999 5.907 6.584 7.740 1.1254 1.6144  
HP100/A 2.952 3.363 3.815 3.815 3.07 3.07 3.20 3.20 4.673 4.673 5.659 6.631 7.143 8.000 1.2694 1.9598  
HP1000/A 3.37 4.485 5.017 5.017 5.517 5.517 5.774 5.774 5.846 5.846 6.037 6.896 8.043 8.854 1.0391 1.5795 2.4491  
RP1000/A 4.631 5.555 6.177 6.177 6.379 6.379 6.749 6.749 7.597 7.597 8.242 9.551 1.0426 1.2233 1.8723 2.8284  
PHM/A 6.792 1.1471 1.1938 1.27620 1.3733 1.44770 1.57779 1.7548 2.0908 2.3461 2.7455 4.0844 5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TIME RHM LATITUDE LONGITUDE COUNTY CODE  
BSN DATER SUB D20 2517 9 DEP. DATE 46 15S 91E N 36°54' 121°47' 40

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (H-DAYS H-HOURS)

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1050
2	1.32	1.51	1.71	1.82	1.91	2.04	2.23	2.51	2.81	3.13	3.84	5.40	9.45
5	1.86	2.15	2.46	2.59	2.71	2.88	3.13	3.48	3.89	4.32	5.27	7.45	12.44
10	2.21	2.61	2.96	3.10	3.23	3.41	3.71	4.09	4.55	5.03	6.13	8.70	14.27
20	2.56	3.04	3.43	3.59	3.71	3.90	4.23	4.84	5.15	5.67	6.90	9.83	15.32
50	2.66	3.17	3.58	3.73	3.85	4.05	4.39	4.81	5.34	5.76	7.14	10.40	14.42
100	2.84	3.41	3.84	4.00	4.16	4.36	4.67	5.16	5.71	6.26	7.61	10.88	17.35
500	3.59	4.03	4.41	4.41	4.30	4.51	4.88	5.23	5.84	6.44	7.83	11.21	17.93
1000	3.29	3.99	4.47	4.62	4.74	4.95	5.36	5.82	6.41	6.99	8.44	12.20	19.37
10000	3.55	4.39	4.90	5.07	5.15	5.37	5.81	6.29	6.91	7.51	9.12	13.14	20.75
100000	4.22	5.23	5.87	6.01	6.12	6.33	6.83	7.35	8.02	8.66	10.51	15.24	23.81
PER	10.11	12.35	13.98	14.54	15.07	15.88	17.10	18.59	20.83	22.95	27.75	39.40	59.10

MEAN CLCK HR. LKH<sub>4</sub> 1.435 1.657 1.876 1.989 2.164 2.189 2.392 2.654 2.963 3.285 4.025 5.701 9.883  
1.140 1.70 1.040 1.020 1.110 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.597 2.393 1.767 1.493 1.505 1.464 1.358 1.544 1.345 1.343 1.332 0.895 0.928  
REGIONAL SKEW 1.200 1.400 1.300 1.200 1.100 1.000 0.906 0.800 0.700 0.700 0.800 0.800 0.800 0.800  
SKEW USED 1.210 1.400 1.300 1.200 1.100 1.000 0.901 0.801 0.700 0.700 0.800 0.800 0.800 0.800

KURTOSIS 6.213 11.074 8.410 8.944 7.012 6.445 4.545 5.986 4.811 5.014 3.400 3.898 3.161  
N 25 25 25 25 25 25 25 25 25 25 25 25 25 26  
RECORD YEAR 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956  
RECORD MAXIMUM 2.680 3.960 4.440 4.460 4.740 4.740 4.740 4.740 6.222 6.222 6.960 7.910 11.140 16.410  
NORMALIZED MAX 2.630 3.379 3.268 3.183 3.267 3.193 3.265 3.144 2.874 2.874 3.001 2.536 2.404 2.106  
CALC. COEF. VAN 3.56 4.11 4.21 3.93 3.97 3.65 3.74 4.13 4.13 3.83 3.73 3.81 3.97 .314  
REGN. COEF. VAN 4.03 4.30 4.30 4.23 4.20 4.17 4.10 4.03 4.02 3.99 3.93 3.93 3.92 3.32  
USED COEF. VAN 4.03 4.30 4.30 4.23 4.20 4.17 4.10 4.03 4.02 3.99 3.93 3.93 3.92 3.32

MEAN/A 1.452 1.677 1.898 2.003 2.084 2.215 2.420 2.685 2.998 3.285 4.025 5.701 9.883  
HP10/A 2.236 2.441 2.291 1.139 3.265 3.453 3.750 4.168 4.608 4.992 5.200 8.800 14.437  
HP20/A 3.211 3.421 3.161 3.173 4.165 4.165 4.165 4.165 5.000 5.000 5.220 1.029 1.117  
HP50/A 2.898 3.211 3.161 3.173 4.229 4.229 4.229 4.229 5.000 5.000 5.220 1.029 1.117  
HP100/A 3.295 4.026 4.519 4.672 4.706 5.007 5.419 5.885 6.628 7.069 7.851 1.2339 1.3598  
HP1000/A 4.270 5.351 5.943 6.084 6.188 6.601 6.915 7.433 8.113 8.762 1.0535 1.5416 2.4691  
RP1000/A 5.204 6.628 7.318 7.438 7.513 7.718 8.330 8.884 9.628 1.0313 1.2513 1.8272 2.8264  
PHM/A 1.0229 1.2492 1.1543 1.0715 1.5246 1.6071 1.7302 1.8915 2.1075 2.3219 2.8072 3.9861 5.9800

PEAKSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NUM. STATION NAME ELEV SEC TMP HNG LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SVB 1 GONZALES SPKR 121 105 05E M 36+5.1R 121+4.67 27

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
C	1.24	1.55	1.71	1.84	2.00	2.32	2.58	2.90	3.52	3.84	4.53	6.62	10.79
B	1.74	2.20	2.45	2.70	2.93	3.27	3.63	4.05	4.83	5.30	6.21	9.13	14.20
10	2.87	2.71	2.95	3.23	3.49	3.87	4.20	4.71	5.67	6.17	7.23	10.66	14.28
20	2.94	3.16	3.21	3.24	3.21	4.42	5.00	5.40	6.16	6.39	7.13	12.52	17.17
25	2.47	3.24	3.57	3.81	4.17	4.60	5.09	5.61	6.69	7.19	8.41	12.47	18.74
40	2.67	3.58	3.88	4.20	4.24	4.95	5.49	6.01	7.16	7.67	8.97	13.34	19.92
50	2.77	3.72	4.02	4.34	4.63	5.12	5.66	6.20	7.34	7.83	9.23	13.74	20.47
100	3.95	4.13	4.46	4.80	5.12	5.67	6.20	6.77	8.03	8.55	10.00	14.94	22.11
200	3.33	4.55	4.89	5.25	5.65	6.10	6.73	7.32	8.66	9.20	10.75	16.10	23.68
500	3.95	5.41	5.87	6.22	6.61	7.14	7.91	8.55	10.05	10.61	12.34	16.67	27.17
1000	4.82	6.74	7.20	7.74	8.63	9.46	9.53	10.21	11.93	12.50	14.57	22.13	31.88
PM	3.47	12.81	13.77	15.12	19.26	18.73	19.80	21.76	28.13	32.07	46.27	67.45	
MEAN	1.344	1.718	1.875	2.050	2.231	2.445	2.769	3.089	3.715	4.027	4.741	6.985	11.280
CLOCK HR. COEF.	1.191	1.701	1.020	1.111	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.120	1.840	1.213	1.192	1.446	1.109	1.073	1.061	1.067	1.061	1.063	1.063	1.061
REGIONAL SKEW	1.200	1.840	1.350	1.200	1.180	1.070	1.060	1.060	1.060	1.060	1.060	1.060	1.060
SKEW USED	1.200	1.840	1.350	1.200	1.180	1.070	1.060	1.060	1.060	1.060	1.060	1.060	1.060
KURTOSIS	6.056	3.328	5.043	4.959	5.491	7.652	7.702	7.745	7.097	7.085	2.908	3.335	3.959
RECORD YEAR	1911	1911	1911	1907	1907	1911	1911	1911	1909	1909	1907	1907	1907
RECORD MAXIMUM	2.400	2.600	3.000	3.400	4.700	4.900	5.000	5.100	6.400	7.400	9.110	13.000	22.350
NORMALIZED MAX	2.561	2.897	3.470	3.700	5.466	5.432	5.947	6.435	8.244	9.301	2.424	2.396	2.803
CALC. COEF. VAR	.342	.316	.352	.368	.377	.400	.401	.400	.391	.389	.410	.348	
REGN. COEF. VAR	.473	.430	.430	.423	.423	.417	.410	.403	.399	.393	.394	.332	
USED COEF. VAR	.473	.430	.430	.423	.423	.417	.410	.403	.399	.393	.394		
MEAN/A	1.193	1.623	1.662	1.725	1.776	2.203	2.555	2.734	3.293	3.570	4.203	6.193	10.000
HP100/A	1.195	2.099	2.619	2.859	3.091	3.334	3.766	4.216	5.052	5.649	6.610	9.545	14.437
HP25/A	2.194	2.917	3.159	3.436	3.764	4.870	5.911	7.466	9.592	13.711	17.52	1.056	6.617
HP50/A	2.652	3.295	3.568	3.852	4.125	5.538	5.914	5.961	6.998	8.179	12.178	18.144	
HP100/A	2.703	3.366	3.957	4.625	4.641	4.980	5.594	6.002	7.121	7.572	8.688	13.247	19.598
HP1000/A	3.574	4.600	5.204	5.561	5.760	6.366	7.714	7.581	8.912	9.410	10.977	16.654	24.091
HP10000/A	4.270	6.120	6.498	6.774	7.115	7.675	8.451	9.001	1.0576	1.1082	1.2916	1.9616	2.2524
HPM/A	4.793	11.347	12.383	14.003	14.437	15.953	17.554	19.293	23.152	24.945	2.893	4.2793	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NUM. STATION NAME ELEV SEC TMP HNG LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SVB 1 KING CITY 320 04 2/5 08E M 36+2.90 121+1.13 27

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
C	1.50	1.83	2.02	2.20	2.37	2.50	2.73	2.98	3.40	3.75	4.35	6.06	9.94
B	2.11	2.65	2.91	3.14	3.37	3.51	3.83	4.14	4.71	5.17	5.97	8.30	13.08
10	2.51	3.39	3.71	4.16	4.41	4.66	4.91	5.21	5.82	6.34	7.94	12.56	20.00
20	2.80	3.72	4.07	4.36	4.61	4.86	5.11	5.33	5.93	6.32	7.81	11.02	16.74
25	3.05	3.88	4.24	4.52	4.79	5.16	5.56	5.83	6.24	6.78	7.81		
40	3.24	4.22	4.61	4.69	4.84	5.34	5.74	6.15	6.72	7.48	8.61	12.20	19.35
50	3.15	4.33	4.78	5.07	5.25	5.45	5.97	6.35	7.13	7.70	8.86	12.57	18.86
100	4.70	4.86	5.30	5.60	5.92	6.06	6.76	6.95	7.76	8.35	9.61	13.67	20.37
200	4.73	5.36	5.81	6.12	6.42	6.58	7.11	7.51	8.36	9.01	10.32	14.71	21.82
500	4.76	6.07	6.47	7.29	7.64	7.94	8.51	8.79	10.15	11.35	13.90	19.08	25.08
J0000	6.01	8.58	9.91	10.24	11.51	12.07	12.47	12.91	14.52	15.15	17.35	20.24	29.37
PM	11.44	15.10	16.58	17.63	18.73	19.44	20.92	22.29	25.22	27.43	31.40	44.16	62.14
MEAN	1.629	2.026	2.226	2.400	2.566	2.879	2.925	3.164	3.588	3.927	4.545	6.391	10.392
CLOCK HR. COEF.	1.147	1.701	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.292	1.843	1.544	1.338	1.221	1.164	1.316	1.301	1.145	1.094	.697	1.015	1.142
REGIONAL SKEW	1.200	1.840	1.300	1.200	1.190	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.840	1.300	1.200	1.190	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.732	R 19.3	5.798	4.724	4.269	4.238	4.695	5.006	5.406	5.558	5.935	6.082	4.324
RECORD YEAR	77	1663	1663	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	3.720	5.940	6.150	6.200	6.205	6.470	8.510	9.170	10.020	10.500	17.000	25.220	
NORMALIZED MAX	3.006	3.885	3.170	2.660	2.933	3.181	3.815	3.574	3.267	2.805	3.442	3.260	
CALC. COEF. VAR	.427	.497	.497	.498	.494	.482	.508	.498	.502	.475	.465	.482	.438
REGN. COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.394	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.158	1.950	2.142	2.310	2.669	2.578	2.815	3.045	3.452	3.779	4.282	6.150	10.000
HP100/A	2.014	3.071	3.375	3.620	3.660	4.010	4.362	4.687	5.307	5.749	6.677	9.388	14.437
HP25/A	2.046	3.733	4.033	4.350	4.612	4.774	5.173	5.521	6.219	6.744	7.769	1.0980	1.6617
HP50/A	3.227	4.218	4.497	4.676	5.150	5.311	5.749	6.111	6.657	7.405	8.527	1.2094	1.8144
HP100/A	3.557	4.693	5.079	5.367	5.671	5.897	6.360	6.673	7.465	8.037	9.244	1.3156	1.9598
HP1000/A	4.609	6.022	6.705	7.611	7.317	7.449	8.045	8.428	9.363	9.962	11.143	1.6435	2.0491
HP10000/A	5.514	7.707	8.256	8.575	8.684	8.882	9.690	10.076	1.0871	1.1731	1.3464	1.9481	2.2626
HPM/A	11.043	14.927	15.935	15.960	16.867	17.873	20.312	24.149	24.270	25.037	30.214	42.498	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABILISTIC PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT RELIABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	FIFTH	SEC	THIRD	FOURTH	FIFTH	HOUR	LATITUDE	LONGITUDE	COUNTY	CLINE		
BSN ORDER Sub		417	1310	02	175	07E	N	36°49'N	121°18'E	45			
D20 9295 0	PINNACLES P.M.												
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS HOURS)													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	AUD	365D
6	1.93	2.45	2.77	3.02	3.24	3.51	3.75	4.17	4.77	5.25	6.18	9.19	16.22
5	2.71	3.53	3.94	4.36	4.69	5.27	5.74	6.62	7.24	8.48	12.68	21.15	
10	3.23	4.27	4.80	5.17	5.59	6.23	6.75	7.75	8.43	9.87	14.80	24.49	
20	3.71	4.67	5.07	5.70	6.30	6.72	7.11	8.07	9.50	11.10	16.73	27.12	
50	4.84	5.19	5.81	6.21	6.62	6.98	7.39	7.95	9.08	9.82	11.49	17.31	28.18
40	4.17	5.67	6.30	6.72	7.05	7.59	8.03	9.27	10.45	12.24	16.82	29.96	
50	4.17	5.67	6.30	6.72	7.05	7.59	8.03	9.27	10.45	12.24	16.82	29.96	
100	4.17	5.67	6.30	6.72	7.05	7.59	8.03	9.27	10.45	12.24	16.82	29.96	
200	4.17	5.67	6.30	6.72	7.05	7.59	8.03	9.27	10.45	12.24	16.82	29.96	
1000	6.16	8.65	9.53	10.91	10.92	10.98	11.46	12.14	13.69	14.50	16.91	25.92	40.86
10000	7.51	1.72	11.74	12.24	12.75	13.13	13.84	14.51	16.19	17.08	19.94	30.72	47.94
PMPE	14.76	2.21	22.68	24.21	25.86	27.35	28.74	30.9	35.44	38.43	44.64	67.01	101.43

MEAN	2.712	3.085	3.796	3.944	3.777	4.020	4.386	5.042	5.502	6.474	9.698	16.91
CLOCK HR. C.U.H.	1.141	1.7	1.983	1.192	1.010	1.100	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.574	.808	.925	.747	.761	.166	.480	.397	.810	.583	.510	.674
REGIONAL SKW	1.200	1.400	1.300	1.200	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KUMTOSIS	3.116	3.477	2.944	2.553	2.783	2.266	2.929	2.734	3.080	2.554	2.279	2.864	2.975
RECORD	.77	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37
RECORD MAXIMUM	3.430	4.777	5.331	5.670	6.066	6.180	7.480	8.200	9.291	10.120	11.570	14.160	31.290
NORMALIZED MAX	1.155	1.487	1.966	1.490	2.049	1.411	2.554	2.51	2.353	2.277	2.046	2.294	2.421
CALC. COEF. VAN	.339	.382	.382	.355	.314	.334	.346	.350	.357	.349	.381	.380	.349
REGN. COEF. VAN	.463	.431	.431	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.463	.431	.431	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.255	1.599	1.745	1.943	2.089	2.223	2.370	2.581	2.472	3.244	3.817	.5718	1.0000
HP10/A	1.920	.2514	.2821	.3045	.3665	.3665	.3673	.3881	.4569	.4969	.5416	.6728	1.4437
HP25/A	.2744	.3262	.3423	.3549	.4011	.4116	.4355	.4661	.5554	.5790	.6765	1.0206	
HP50/A	.2752	.3246	.3424	.3549	.4010	.4116	.4355	.4661	.5554	.5790	.6765	1.0206	
RP10/A	.2747	.3241	.3421	.3547	.4010	.4116	.4355	.4661	.5554	.5790	.6765	1.0206	
RP100/A	.3519	.4103	.5621	.5926	.6168	.6427	.6774	.7158	.8044	.8551	.9968	1.5279	2.4091
RP1100/A	.4427	.6321	.6921	.7215	.7514	.7744	.8159	.8555	.9546	.9946	1.0071	1.1728	1.8110
PMPE	.8761	1.1913	1.3374	1.4274	1.5247	1.6126	1.5947	1.8216	2.0496	2.2660	2.6318	3.9509	5.9800

STATION NO.	STATION NAME	FIFTH	SEC	THIRD	FOURTH	FIFTH	HOUR	LATITUDE	LONGITUDE	COUNTY	CLINE
BSN ORDER Sub		417	1310	02	175	07E	N	36°49'N	121°18'E	45	
D20 9295 0	MACHO SAN LUCAS										
PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE											
STATION NO.	STATION NAME	FIFTH	SEC	THIRD	FOURTH	FIFTH	HOUR	LATITUDE	LONGITUDE	COUNTY	CLINE
BSN ORDER Sub		417	1310	02	175	07E	N	36°49'N	121°18'E	45	
D20 9295 0	MACHO SAN LUCAS										

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.94	2.31	2.71	2.95	3.21	3.51	4.73	4.02	4.64	5.03	5.70	7.99	12.85
5	2.72	3.45	3.94	4.36	4.69	5.27	5.74	6.62	7.24	8.48	12.68	21.15	
10	3.24	4.17	4.70	5.05	5.42	5.89	6.17	6.57	7.53	8.08	9.23	12.86	19.40
20	3.72	4.77	5.31	5.70	6.05	6.42	6.72	7.11	7.75	8.43	10.45	14.53	21.65
50	4.84	5.67	6.21	6.54	6.82	7.05	7.47	8.43	9.82	10.74	15.04	22.33	
40	4.17	4.87	5.17	5.59	5.89	6.23	6.54	7.11	7.75	8.43	10.45	14.53	21.65
50	4.17	5.67	6.30	6.72	7.05	7.59	8.03	8.41	9.27	10.45	12.24	16.82	29.96
100	4.17	5.67	6.30	6.72	7.05	7.59	8.03	8.41	9.27	10.45	12.24	16.82	29.96
200	4.17	5.67	6.30	6.72	7.05	7.59	8.03	8.41	9.27	10.45	12.24	16.82	29.96
1000	6.16	9.33	9.76	10.26	10.36	11.36	12.36	13.26	13.91	15.82	22.51	32.38	
10000	7.51	1.48	11.99	11.95	12.66	12.50	13.71	14.13	15.73	16.38	16.61	26.68	37.99
PMPE	14.41	1.75	22.23	23.65	25.29	26.07	28.47	30.49	34.44	36.86	41.76	58.21	80.38

MEAN	2.161	2.651	2.961	3.220	3.464	3.867	3.982	4.271	4.899	5.277	6.057	8.424	13.441
CLOCK HR. C.U.H.	1.141	1.7	1.983	1.192	1.010	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.536	.808	.908	.826	.791	.937	1.336	1.154	.893	.671	1.072	.800	.883
REGIONAL SKW	1.200	1.400	1.300	1.200	1.010	1.000	1.000	1.000	.900	.700	.700	.800	.800
SKW USED	1.200	1.400	1.300	1.200	1.010	1.000	1.000	1.000	.900	.700	.700	.800	.800

KUMTOSIS	2.417	3.677	3.555	3.299	3.611	5.836	5.898	4.977	4.028	3.138	4.551	3.670	
RECORD	.87	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65	.65
RECORD MAXIMUM	1911	1956	1956	1911	1911	1911	1911	1911	1911	1911	1911	1911	1941
NORMALIZED MAX	2.436	3.464	2.956	2.935	3.612	3.120	4.101	4.264	3.903	3.602	2.967	3.686	3.380
CALC. COEF. VAN	.367	.409	.431	.425	.437	.434	.469	.482	.474	.467	.445	.468	.417
REGN. COEF. VAN	.403	.430	.430	.423	.429	.427	.417	.410	.503	.402	.399	.393	.332
USED COEF. VAN	.403	.431	.431	.423	.429	.427	.417	.410	.403	.402	.399	.394	.332

MEAN	1.153	1.472	2.218	2.395	2.576	2.640	2.963	3.177	3.445	3.996	4.507	6.267	1.0000
HP10/A	.2414	.3106	.3495	.3754	.4029	.4160	.4591	.4849	.5				

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HAM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 0 SALINAS 421 H 145 03E M 16°56' 121°06W 27

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS H-HOURLS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.45	1.53	2.07	2.23	2.40	2.45	2.92	3.24	3.81	4.23	5.02	7.25	12.97
5	2.04	2.08	2.94	3.07	3.25	3.75	4.11	4.51	5.29	5.84	8.94	10.00	17.77
10	2.47	2.49	3.41	3.51	4.04	4.44	5.00	5.46	6.18	6.80	10.00	11.58	21.58
20	2.79	1.72	4.16	4.40	4.28	5.07	5.55	6.02	7.00	7.46	9.07	13.19	21.84
25	2.40	3.68	4.33	4.50	4.47	5.27	5.76	6.24	7.24	7.92	9.39	13.66	22.54
50	3.14	4.22	4.71	4.70	5.04	5.68	6.20	6.69	7.75	8.45	11.01	14.61	23.95
50	1.74	4.39	4.88	4.14	5.05	5.86	6.40	6.9	7.94	8.70	10.00	15.04	24.61
100	3.48	4.88	5.41	5.60	5.11	6.43	7.02	7.5	8.70	9.44	11.17	14.37	26.58
200	4.00	4.36	5.93	5.20	6.66	8.44	7.62	8.26	9.39	10.15	12.00	17.64	29.48
500	4.60	4.67	7.1	7.37	8.69	9.27	9.45	10.00	11.70	12.82	14.00	20.44	33.67
1000	5.66	4.01	8.76	8.14	9.57	9.42	11.79	11.38	12.92	13.78	16.26	24.23	34.33
PMP	11.11	16.17	16.94	17.80	14.42	20.85	22.41	24.24	28.27	31.00	37.49	42.87	51.10

MEAN: 1.576 P-27 P-274 P-434 P-601 P-847 S-134 S-441 E-022 E-438 5-242 7-552 11-552  
CLOCK HRS: CCR: 11-15 11-16 11-17 11-18 11-19 11-20 11-21 11-22 11-23 11-24 11-25  
CALCULATED SKEN: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000  
REGIONAL SKEN: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000  
SKEN USED: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000

KUHIOHSIS  
MEAN: 4.6519 6-834 6-106 5-280 4-542 4-114 3-864 3-521 3-474 2-973 2-442 2-791 2-688  
P-10/4: N 7.7 P-27 P-274 P-434 P-601 P-847 S-134 S-441 E-022 E-438 5-242 7-552 11-552  
RECORD YEAR: 1900 1914 1920 1927 1937 1947 1957 1967 1977 1987 1997 2007 2017  
RECORD MAXIMUM: 3-127 5-21 6-455 6-450 6-453 6-450 6-450 6-450 6-450 6-450 6-450 6-450 6-450  
NORMALIZED MAX: 2-447 3-455 3-233 3-139 3-084 2-916 3-138 3-086 3-201 2-968 2-118 2-370 2-673  
CALC. COEF. VAR: .4733 .655 .429 .421 .389 .409 .399 .378 .359 .371 .370 .370 .317  
REGN. COEF. VAR: .4733 .636 .430 .423 .420 .417 .410 .403 .402 .399 .393 .394 .332  
USED COEF. VAR: .4733 .630 .430 .423 .421 .417 .410 .403 .402 .399 .393 .394 .332

MEAN/A: .1162 .1495 .1676 .1745 .1962 .2099 .2311 .2537 .2966 .3273 .3902 .5661 1.0000  
P-10/4/A: .1790 .2354 .2642 .2813 .3067 .3279 .3580 .3906 .4559 .5013 .5947 .6612 1.4337  
P-25/A: .2140 .2862 .3196 .3390 .3664 .3947 .4246 .4691 .5324 .5846 .6518 1.0071 1.6167  
P-50/A: .2932 .3234 .3599 .3799 .4042 .4374 .4710 .5091 .5890 .6415 .7593 1.1094 1.8144  
P-100/A: .3788 .3597 .3991 .4147 .4576 .4745 .5174 .5566 .6412 .6950 .8233 1.2067 1.9598  
P-200/A: .4714 .4765 .5249 .5451 .5913 .6165 .6603 .7023 .8026 .8666 .10191 1.5075 2.0491  
P-500/A: .5148 .5564 .6463 .6764 .7059 .7313 .7914 .8594 .9524 1.1159 1.1949 1.7489 2.8264  
P-1000/A: .5189 .11135 1.2489 1.3145 1.4321 1.5224 1.6521 1.7971 2.0484 2.2859 2.6937 3.6982 5.9800

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HAM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 0 SAN ARDO 440 04 225 10E M 36°01' 120°09W 27

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.57	1.99	2.19	2.38	2.53	2.75	2.98	3.28	3.84	4.26	4.91	6.96	11.21
5	2.21	2.73	3.16	3.40	3.59	3.89	4.19	4.57	5.37	5.88	6.74	9.40	14.76
10	2.41	3.19	3.47	3.77	4.02	4.32	4.65	5.02	5.83	6.23	7.04	11.21	19.93
20	2.72	3.86	4.40	4.69	4.92	5.27	5.66	6.10	7.05	7.71	8.81	12.66	18.88
25	3.14	4.00	4.59	4.88	5.11	5.48	5.88	6.33	7.30	7.94	9.11	13.11	19.48
40	3.40	4.39	4.98	5.29	5.21	5.96	6.32	6.79	7.81	8.51	9.72	14.02	20.71
50	3.52	4.56	5.16	5.48	5.71	6.09	6.53	7.01	8.05	8.76	10.00	14.44	21.27
100	3.88	5.07	5.73	6.05	6.29	6.66	7.16	7.65	8.76	9.50	10.64	15.70	22.98
200	4.23	5.58	6.28	6.81	6.95	7.26	7.76	8.27	9.45	10.22	11.65	15.92	24.62
500	4.76	6.33	7.03	7.68	8.01	8.41	9.14	9.86	10.77	11.76	12.92	17.25	25.15
1000	5.12	8.33	9.27	9.63	9.85	10.30	11.01	11.55	12.02	13.47	15.74	23.25	33.14
PMP	12.03	15.70	17.92	19.95	21.45	22.81	24.59	26.49	31.21	35.44	50.73	70.12	

MEAN: 1.708 2-108 2-405 2-594 2-736 2-957 3-198 3-494 4-153 4-469 5-140 7-341 11-725  
CLOCK HRS: CCR: 1-16 1-17 1-18 1-19 1-20 1-21 1-22 1-23 1-24 1-25 1-26 1-27 1-28 1-29  
CALCULATED SKEN: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000 2.2500 2.3000 2.3500 2.4000  
REGIONAL SKEN: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000 2.2500 2.3000 2.3500 2.4000  
SKEN USED: 1.2000 1.4000 1.6000 1.8000 1.9000 1.9500 2.0000 2.0500 2.1000 2.1500 2.2000 2.2500 2.3000 2.3500 2.4000

KUHIOHSIS  
MEAN/A: 3-061 5-455 5-066 4-167 4-606 4-634 6-767 5-357 5-701 5-361 5-663 5-774 5-826 1-0000  
P-10/4: N 7.1 P-27 P-274 P-434 P-601 P-847 S-134 S-441 E-022 E-438 5-242 7-552 11-552  
RECORD YEAR: 1900 1956 1969 1959 1960 1969 1969 1969 1969 1969 1969 1969 1969 1969  
RECORD MAXIMUM: 2-176 4-880 5-700 6-200 6-730 H-530 9-730 9-730 11-630 12-330 13-980 20-650 28-700  
NORMALIZED MAX: 1-098 3-460 3-224 3-145 3-229 4-114 3-694 3-765 3-765 3-765 3-669 3-669 3-669 3-383  
CALC. COEF. VAR: .742 .394 .425 .442 .452 .468 .489 .500 .497 .497 .479 .467 .467 .428  
REGN. COEF. VAR: .403 .430 .430 .423 .421 .417 .410 .403 .402 .399 .393 .394 .332  
USED COEF. VAR: .403 .430 .430 .423 .421 .417 .410 .403 .402 .399 .393 .394 .332

MEAN/A: .1157 .1797 .2051 .2212 .2335 .2522 .2727 .2977 .3457 .3811 .4384 .6261 1.0000  
P-10/4/A: .2243 .2431 .2323 .3467 .3550 .3939 .4226 .458 .5314 .5878 .6681 .9558 1.4437  
P-25/A: .2982 .3462 .3491 .4166 .3601 .4670 .5011 .5398 .6228 .6802 .7772 1.6617  
P-50/A: .2998 .3189 .4403 .4670 .4864 .5195 .5569 .5974 .6865 .7471 .8531 1.2312 1.8144  
P-100/A: .3345 .4326 .4663 .5100 .5361 .5701 .6107 .6525 .7474 .8105 .9249 1.3393 1.9598  
P-200/A: .4243 .5736 .5642 .6719 .6917 .7287 .7793 .8211 .8354 .10046 1.1449 1.6731 2.4091  
P-500/A: .5221 .7105 .7967 .8214 .8399 .8787 .9388 .9856 1.1101 1.1831 1.3471 1.9832 2.8284  
P-1000/A: 1-1262 1-3391 1-5281 1-6251 1-7344 1-8297 2-0972 2-299 2-6671 3-0280 4-3264 5-9800

PEARSON TYPE III DISTRIBUTION USED  
PHOMAHL MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB D30 212 9	STATION NAME LUMBERWOOD	FIFTH SEC 303 1114 36 225	TENTH PCT 1114 36 225	THIRTY FIFTH PCT 1114 36 225	HWM H	LATITUDE 35.947	LONGITUDE 121.093	COUNTY CONE 27
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS H-HOURS)								
RETURN PERIOD IN YEARS	10 20 30 40 50 60 80 100 150 200 300 600 3650							
2	4.62 5.49 6.51 7.18 7.75 8.18 9.17 10.25 11.44 13.13 15.43 21.44 34.55							
5	5.66 7.02 8.37 11.29 11.00 11.56 12.88 14.27 15.88 18.10 21.19 29.56 50.76							
10	6.73 9.57 11.27 12.27 11.19 13.69 15.23 16.77 18.58 21.09 24.63 34.52 58.21							
20	7.71 11.14 13.08 14.18 15.04 15.86 17.39 19.05 21.01 23.73 27.71 39.00 64.94							
30	8.14 11.66 13.64 14.75 15.54 16.26 18.06 19.70 21.75 24.57 26.85 40.37 67.00							
40	8.97 12.68 14.71 15.82 16.59 17.94 19.51 21.40 23.29 25.10 27.45 42.17 71.21							
50	9.49 14.15 16.26 17.54 18.47 19.19 20.47 22.84 24.84 26.98 31.45 46.76 73.16							
100	9.91 14.69 17.03 18.28 19.27 20.85 22.00 23.87 26.11 29.27 34.10 48.37 79.02							
200	10.81 16.05 18.68 19.90 20.90 21.56 21.88 25.82 28.18 31.47 36.83 52.12 84.66							
400	12.84 17.39 22.40 23.78 24.82 25.38 28.08 30.14 32.64 36.29 42.21 60.42 97.14							
1000	15.65 20.07 24.58 26.94 27.01 30.19 33.82 36.04 38.78 42.73 49.68 71.62 113.96							
FMP	36.77 45.27 54.39 57.62 61.10 63.72 7.26 76.73 84.90 96.15 111.44 156.24 241.12							

MEAN	4.387 6.817 7.155 7.831 8.378 8.783 9.826 11.891 12.077 13.745 16.162 22.811 49.321							
CLOCK HR. COM <sup>a</sup>	1.141 1.379 1.040 1.020 1.110 1.100 1.000 1.000 1.000 1.000 1.000 1.000 1.000							
CALCULATED SKEW	.326 .712 1.019 1.406 1.702 1.792 1.459 1.108 .874 .777 .637 .427 .565							
REGIONAL SKEW	1.200 1.400 1.300 1.200 1.100 1.000 1.000 .900 .800 .700 .700 .800							
SKW USED	1.210 1.400 1.300 1.200 1.100 1.000 1.000 .900 .800 .700 .700 .800							
KURTOSIS	2.597 3.193 4.121 5.750 6.093 7.973 8.485 8.793 9.380 9.765 2.930 2.889 2.081							
N	31 31 41 31 31 31 31 31 31 31 31 31 30							
RECORD YEAR	1963 1966 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956 1956							
RECORD MAXIMUM	6.400 11.420 14.300 19.500 20.400 24.500 25.200 25.500 26.400 26.400 32.300 43.630 65.810							
NORMALIZED MAX	1.564 2.144 2.559 3.124 3.431 3.956 4.368 4.741 5.211 5.571 7.331 1.864							
CALC. COEF. VAR	.301 .420 .447 .479 .491 .510 .467 .449 .449 .421 .390 .399 .339							
REGN. COEF. VAR	.493 .453 .430 .423 .423 .423 .417 .410 .403 .399 .393 .393 .332							
USED COEF. VAR	.493 .453 .430 .423 .423 .423 .417 .410 .403 .399 .393 .393 .332							
MEAN/VA								
HM10/A	1.043 1.507 1.774 1.942 2.078 2.178 2.437 2.701 2.995 3.414 4.008 5.608 1.0000							
HM20/A	1.068 1.571 2.076 2.303 2.548 2.774 3.396 3.774 4.159 4.664 5.229 6.108 4.860 1.4437							
HM30/A	1.144 1.704 2.135 2.436 2.750 3.071 3.646 4.052 4.462 4.862 5.422 7.100 1.6011 1.6617							
HM30/A	1.229 1.801 2.190 2.510 2.833 3.143 3.747 4.177 4.562 5.049 5.629 7.200 1.6944 1.7444							
RP100/A	2.458 2.627 4.226 4.629 4.771 4.926 4.567 5.570 6.676 7.740 8.456 9.995 1.9598							
RP1000/A	3.185 3.809 5.555 5.848 6.016 6.294 5.696 6.747 8.100 8.899 1.4667 1.4986 2.4091							
RP1000/A	3.882 5.957 6.840 7.210 7.755 7.599 8.389 8.937 9.619 1.0597 1.2316 1.7763 2.8284							
HM/P/A	7.630 1.1227 1.1219 1.4265 1.5164 1.5163 1.7424 1.9294 2.1055 2.3845 2.7636 3.6750 5.9800							

STATION NO. RSN ORDER SUB D40 798 0	STATION NAME HIL SHU STATE PARK	FIFTH SEC 735 30 195 021	TENTH PCT 1114 36 225	THIRTY FIFTH PCT 1114 36 225	HWM H	LATITUDE 36.250	LONGITUDE 121.743	COUNTY CONE 27
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS H-HOURS)								
RETURN PERIOD IN YEARS	10 20 30 40 50 60 80 100 150 200 300 600 3650							

2	4.72 5.49 6.495 7.494 7.98 8.72 9.76 10.55 12.33 14.06 15.89 23.25 40.14							
5	6.64 8.63 9.87 10.70 11.39 12.32 14.72 14.74 17.11 19.39 22.18 32.06 52.85							
10	7.91 11.22 11.48 12.80 13.50 14.66 16.25 16.27 17.27 20.02 22.59 26.96 37.43 60.60							
20	9.47 12.14 13.77 14.77 15.51 16.49 18.52 19.62 22.65 25.44 31.33 42.29 67.61							
25	9.94 12.68 14.37 15.36 16.13 17.36 19.23 20.45 23.46 26.31 31.36 37.78 69.74							
40	11.72 14.32 15.90 16.80 17.60 18.49 20.40 21.30 21.41 25.14 33.40 46.64 74.14							
50	12.10 15.78 17.36 18.94 19.61 20.49 22.37 22.87 22.97 26.39 34.34 48.20 76.16							
100	11.66 15.73 17.94 19.05 19.84 21.81 23.44 25.50 26.16 27.22 31.36 37.72 49.45 82.27							
200	12.69 17.51 19.67 20.81 21.81 22.81 25.48 25.66 26.37 30.37 33.70 40.10 56.52 88.14							
400	15.08 21.12 23.60 24.80 25.59 27.05 29.91 31.05 35.25 36.87 46.20 51.01 101.13							
1000	14.38 20.16 22.95 24.15 25.37 26.32 30.43 31.72 37.12 41.82 45.77 54.30 77.67 118.65							
FMP	34.13 44.31 54.15 50.94 63.04 67.49 74.83 79.66 91.55 102.99 121.98 169.44 251.03							

MEAN	5.128 6.619 7.536 8.636 9.187 9.606 10.466 11.219 13.023 13.744 17.690 24.521 41.978							
CLOCK HR. COM <sup>a</sup>	1.140 1.370 1.040 1.020 1.011 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000							
CALCULATED SKEW	1.312 1.740 2.013 1.594 1.452 1.048 .871 .736 .622 .602 .049 .390 .273							
REGIONAL SKEW	1.220 1.406 1.310 1.200 1.101 1.000 1.000 .900 .800 .700 .700 .800							
SKW USED	1.220 1.400 1.300 1.200 1.100 1.000 1.000 .900 .800 .700 .700 .800							
KURTOSIS	4.728 6.847 8.672 8.490 9.499 9.696 9.346 9.326 9.709 2.498 2.180 3.063 1.977							
N	26 26 26 26 26 26 26 26 26 26 26 26 25							
RECORD YEAR	1963 1973 1963 1963 1963 1963 1963 1963 1963 1963 1963 1963 1958							
RECORD MAXIMUM	9.230 15.470 20.180 20.180 20.180 20.180 20.180 20.180 20.180 20.180 20.180 20.180 43.930							
NORMALIZED MAX	2.036 2.951 3.158 3.099 2.944 2.781 2.999 2.749 2.749 2.727 2.109 1.630 2.1283 1.619							
CALC. COEF. VAR	.343 .456 .500 .475 .454 .415 .404 .378 .371 .340 .340 .338 .323							
REGN. COEF. VAR	.443 .430 .430 .423 .423 .420 .417 .410 .403 .402 .399 .393 .332							
USED COEF. VAR	.443 .430 .430 .423 .423 .420 .417 .410 .403 .402 .399 .393 .332							
MEAN/VA								
HP10/A	1.122 .1577 1.795 1.946 2.057 2.230 2.493 2.673 .3102 .3512 .4214 .5841 1.0000							
HP20/A	1.181 .2493 .2929 .3049 .31218 .3477 .3471 .3581 .4630 .5300 .6422 .6917 1.4437							
HP50/A	1.224 .3423 .3623 .3665 .3746 .3742 .3741 .3740 .4650 .5300 .6264 .7471 1.0429							
HP100/A	1.274 .3795 .4277 .4534 .4633 .4724 .4641 .4783 .5658 .6708 .7449 .8991 1.2949 1.9598							
RP100/A	1.592 .5231 .5621 .5908 .60606 .6444 .7125 .7399 .8395 .9259 1.1005 1.5810 2.4090							
RP1000/A	.4378 .4213 .4921 .7223 .7491 .7770 .5853 .6843 .9966 1.0993 1.2994 1.6502 2.4826							
HP40/A	8.656 1.174 1.3375 1.4299 1.5019 1.7827 1.8492 2.1810 2.4554 2.4057 4.0364 5.9800							

P-EARTH TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANUAR DEViations  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB 040 7731 0	STATION NAME SAN CLEMENTE DAM	FLEV	SFC	TMP	HNG	LAT	LONGITUDE	COUNTY CODE	27					
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.61	3.32	3.77	4.03	4.29	4.55	5.02	5.44	6.26	7.10	8.62	12.10	20.31	
5	3.67	4.74	5.42	5.75	6.04	6.43	7.06	7.64	8.59	9.79	11.83	16.69	24.74	
10	4.36	5.74	6.53	6.88	7.24	7.62	8.34	8.99	10.17	11.40	13.75	19.48	30.67	
20	5.01	6.23	7.57	7.94	8.32	8.71	9.53	10.21	11.55	12.85	15.49	22.01	34.21	
50	5.42	7.03	8.27	8.57	9.04	9.45	10.04	10.64	11.29	12.69	14.60	20.50	35.50	
100	5.63	7.65	9.58	9.95	10.49	10.89	11.45	12.75	14.18	15.07	16.37	23.77	37.52	
200	5.82	7.99	9.89	10.27	10.66	11.07	11.65	12.70	13.13	14.59	17.50	25.10	38.54	
500	6.12	8.89	10.27	10.66	11.17	11.60	11.71	12.71	13.13	14.59	17.50	25.10	38.54	
1000	6.42	9.89	11.28	11.67	12.16	12.66	12.79	14.33	15.43	15.83	19.05	27.30	41.83	
2000	7.00	9.77	11.41	11.19	11.59	12.00	13.09	13.95	15.42	17.02	20.44	29.42	44.60	
5000	6.32	11.72	12.37	13.34	14.73	14.12	15.39	16.16	17.91	19.62	23.57	34.11	51.17	
10000	10.14	14.51	15.97	16.30	16.67	17.03	18.54	19.31	21.24	23.11	27.78	40.43	60.04	
20000	10.49	27.35	31.86	32.20	33.83	35.47	36.50	41.12	46.49	52.00	62.23	66.20	127.03	

MEAN	2.831	3.672	4.142	4.341	4.633	4.888	5.385	5.836	6.613	7.444	9.026	12.764	21.242
CLOCK HR. CUM.	1.140	1.170	1.029	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.092	.984	.975	.712	.626	.546	.449	.691	.787	.783	.993	.001	1.885
REGIONAL SKEW	1.210	1.336	1.330	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	3.141	3.417	3.114	2.069	2.031	2.044	2.088	2.426	3.057	2.869	3.673	4.041	6.634
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YR-MTH	1945	1956	1963	1945	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAX-HR	5.350	6.677	7.690	1.770	8.225	8.540	9.000	11.04	12.52	13.26	17.55	21.110	45.700
NORMALIZED MAX	1.794	1.885	1.821	1.203	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALC. COEF. VAR	.451	.446	.455	.422	.401	.389	.367	.346	.374	.364	.390	.388	.366
REGN. COEF. VAR	.403	.430	.423	.423	.420	.417	.410	.403	.402	.399	.393	.393	.392
USED COEF. VAR	.403	.430	.420	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.720	1.720	1.950	2.07	2.182	2.310	2.555	2.747	3.113	3.556	4.424	6.009	1.0000
HPD10%	.2150	.2250	.3200	.3400	.3500	.3600	.3700	.4200	.4500	.4800	.5750	.7100	1.4437
HPD25%	.2073	.3310	.3718	.3813	.3970	.4259	.4655	.4949	.5501	.5754	.6724	.7100	1.4437
HPD50%	.2742	.3740	.4186	.4364	.4571	.5177	.5513	.6184	.6870	.7268	.8161	.8744	1.8161
RP100%	.3129	.4150	.4693	.4822	.5011	.5579	.5676	.6022	.6732	.7453	.8964	.9253	1.9598
RP1000%	.3171	.5516	.6106	.6276	.6463	.6650	.7244	.7666	.8246	.9238	1.1098	1.6057	2.4091
RP10000%	.4775	.8732	.7518	.7672	.7849	.8119	.8726	.9091	.9999	1.0879	1.3056	1.9033	2.8264
RP100000%	.9185	1.2878	1.4528	1.5185	1.5925	1.6694	1.8125	1.9356	2.1847	2.4479	2.9297	4.1521	5.4600

STATION NO. ASN ORDER SUB E20 5995 0	STATION NAME MT TAMALPAIS 1 S	FLEV	SFC	TMP	HNG	LAT	LONGITUDE	COUNTY CODE	21
		950				37.417	122.547		

STATION NO. ASN ORDER SUB E20 5995 0	STATION NAME MT TAMALPAIS 1 S	FLEV	SFC	TMP	HNG	LAT	LONGITUDE	COUNTY CODE	21				
MEAN	3.450	4.940	5.05	5.58	6.00	6.47	7.44	8.2	9.69	11.46	14.03	20.09	39.02
CLOCK HR. CUM.	1.140	1.170	1.049	1.029	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.422	.988	.783	.715	.721	.647	.827	.963	.682	.377	.641	.605	.112
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	3.673	3.629	2.803	2.777	2.757	2.633	3.199	4.413	3.755	2.216	2.522	2.588	2.520
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YR-MTH	1967	1967	1963	1963	1967	1951	1967	1967	1967	1967	1951	1956	1951
RECORD MAX-HR	6.050	9.210	10.290	11.200	11.59	12.240	15.210	18.200	19.200	19.990	25.500	34.500	60.920
NORMALIZED MAX	1.133	2.020	1.623	1.807	1.822	1.848	2.049	2.409	2.520	1.829	1.944	2.011	1.859
CALC. COEF. VAR	.363	.411	.437	.433	.415	.386	.390	.401	.373	.349	.369	.345	.279
REGN. COEF. VAR	.403	.430	.420	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.420	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0910	.1232	.1403	.1537	.1640	.1768	.2002	.2188	.2564	.3035	.3712	.5282	1.0000
HPD10%	.1401	.1937	.2208	.205	.2563	.2756	.3103	.3369	.3944	.4657	.5665	.8064	.3933
HPD25%	.1582	.2379	.2698	.219	.3193	.3473	.3698	.3849	.4645	.5486	.6657	.9430	.1342
HPD50%	.1887	.2705	.3195	.3275	.3476	.3733	.4124	.4429	.5139	.6061	.7356	.10387	.17672
RP100%	.2087	.3028	.3412	.3663	.3853	.4136	.4536	.4853	.5612	.6617	.8028	.1299	.18917
RP1000%	.2729	.4079	.4561	.4848	.5055	.5423	.5838	.6183	.7087	.8349	.10113	1.4116	2.2652
RP10000%	.3344	.5111	.5682	.5999	.6215	.6665	.7079	.7440	.8667	.9973	.12070	1.6733	2.6007
RP100000%	.6648	.9181	.10453	.1286	.1295	.14315	.15412	.18062	.21201	.25591	.36500	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. ASN ORDER SUB E20 7880 8	STATION NAME SAN RAFAEL	FLEV 25	SFC 024	TMP 05W	RNG M	LDT 37°49'	HWM 122°55'	LATITUDE 37°49'	LONGITUDE 122°55'	COUNTY 21
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.67	5.03	5.57	6.01	6.53	7.07	7.97	10.89	10.55	11.36	14.32	21.03	36.48
5	5.45	7.25	8.25	8.54	10.07	11.24	12.43	14.68	16.41	19.79	29.00	47.58	
10	7.51	10.42	11.77	12.39	13.19	13.74	14.77	17.45	19.50	22.00	32.00	52.00	
20	11.51	16.42	17.82	18.46	19.46	19.29	16.71	19.40	20.30	23.30	38.25	59.62	
50	17.42	11.89	11.92	12.61	13.51	14.55	15.90	17.33	20.32	22.04	27.26	39.61	61.31
40	11.85	13.02	13.72	14.65	15.76	16.19	18.67	21.79	24.41	29.22	42.38	64.73	
50	12.77	12.33	13.53	14.23	15.19	16.74	17.73	19.28	22.48	25.48	30.12	43.63	66.30
100	13.70	13.81	15.10	15.82	16.43	18.12	19.50	21.12	24.55	27.70	32.87	47.46	70.91
200	15.28	16.58	17.39	19.43	19.46	21.28	22.81	26.55	29.95	32.52	51.14	75.00	
400	16.67	17.18	20.18	22.04	22.75	23.75	25.00	26.91	31.00	34.98	41.41	58.98	
1000	15.54	23.24	25.14	26.42	27.14	29.19	30.43	32.38	37.05	41.76	49.42	70.27	97.57
KMP	29.74	41.44	46.25	49.76	52.31	54.19	61.56	67.08	78.85	84.77	104.81	153.30	224.35

MEAN	4.227	5.616	6.208	6.638	7.165	7.745	8.607	9.522	11.216	12.709	15.200	20.185	37.517
CLOCK HR. CUM.	1.140	1.701	1.670	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.500	1.246	1.689	.862	.642	.911	.331	.012	.421	.445	.805	.721	.335
REGIONAL SKEW	1.360	1.603	1.200	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500

KUNTOSIS	6.809	4.821	4.775	4.298	7.165	7.745	8.607	9.522	11.216	12.709	15.200	20.185	37.517
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1964	1965	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961
RECORD MAXIMUM	8.110	10.440	11.780	12.720	12.720	12.720	14.560	15.394	20.110	23.180	29.530	45.560	61.130
NORMALIZED MAX	2.618	2.647	2.699	2.760	2.944	2.973	2.992	3.012	3.037	3.139	2.298	2.028	
CALC. COEF. VAR	.356	.348	.331	.332	.317	.318	.331	.333	.333	.384	.405	.441	.310
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.413	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.127	1.649	1.1655	1.765	1.910	2.056	2.2294	2.538	2.529	2.387	2.804	2.768	2.675
HP10/4	2.352	2.603	2.770	2.984	3.217	3.555	3.399	.5499	.5197	.6183	.9027	1.4393	
HP25/4	2.084	2.489	3.181	3.302	3.601	3.879	4.237	4.627	.5415	.6118	.7266	1.0557	1.6342
RP50/4	2.317	3.386	3.506	3.794	4.048	4.360	4.725	5.138	.5992	.6764	.8029	1.1829	1.7672
RP100/4	2.585	3.678	4.024	4.218	4.485	4.979	5.197	5.630	.6544	.7384	.8760	1.2849	1.8917
RP1000/4	3.377	4.954	5.378	5.683	5.984	6.833	6.690	7.173	.8263	.9318	1.1039	1.5860	2.6252
KMP	4.141	6.670	6.701	6.918	7.325	7.700	8.111	8.531	.9875	1.1131	1.3174	1.8731	2.6007
RPMP/4	.7947	1.1512	1.2327	1.2996	1.3941	1.4477	1.6403	1.7881	2.0117	.2.3861	.2.7938	4.0962	.5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. ASN ORDER SUB E20 8351 0	STATION NAME SINDIA	FLEV 20	SFC 17	TMP 05W	RNG M	LDT 3A+2B0	HWM 122+450	LATITUDE 3A+2B0	LONGITUDE 122+450	COUNTY 49
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.63	3.446	3.97	4.41	4.83	5.16	5.90	6.62	7.70	8.40	10.06	15.12	27.92
5	3.79	5.01	5.62	6.12	6.53	7.03	8.31	9.32	10.74	11.02	13.92	19.74	36.52
10	4.49	6.00	6.97	7.82	8.20	8.81	9.87	10.93	12.61	13.11	16.31	24.35	41.32
20	5.110	7.116	8.15	8.66	9.45	10.19	11.31	12.46	13.31	15.91	18.49	27.51	45.63
25	5.31	7.49	8.52	9.25	9.49	10.63	11.78	12.93	14.83	16.49	19.18	26.48	46.92
40	5.75	8.19	9.30	10.47	10.40	11.55	11.93	13.91	15.91	17.69	20.54	30.46	49.54
50	5.93	8.52	9.65	10.45	11.24	11.92	13.11	14.46	16.41	18.24	21.16	31.37	50.74
100	6.54	9.54	10.78	11.61	12.43	13.23	14.42	15.79	17.93	19.91	23.11	34.12	54.31
200	7.21	10.59	11.88	12.62	13.43	14.24	15.70	17.17	20.13	21.53	26.37	37.70	
400	1.21	1.264	1.41	1.461	1.537	1.633	1.734	1.834	2.025	2.244	2.511	42.63	57.07
1000	1.056	1.609	1.795	1.902	2.048	2.131	2.251	2.412	2.705	3.002	34.74	50.53	74.67
KMP	20.23	26.91	33.02	34.78	38.69	41.73	45.52	49.97	57.57	63.81	73.68	110.24	171.70

MEAN	2.472	3.481	4.432	4.871	5.301	5.656	6.386	7.040	8.184	9.135	10.686	15.953	28.712
CLOCK HR. CUM.	1.140	1.71	1.60	1.60	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.349	1.490	.783	.537	.843	.571	.535	.657	.580	.470	.507	.535	.752
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500

KUNTOSIS	2.298	4.487	3.812	3.025	2.938	2.842	2.836	3.011	2.544	2.536	3.084	2.933	3.803
N	53	54	54	54	55	54	54	55	55	55	55	55	55
RECORD YEAR	1933	1963	1953	1953	1956	1956	1956	1956	1941	1941	1941	1941	1941
RECORD MAXIMUM	4.396	7.450	8.470	9.492	10.610	11.150	12.160	13.180	15.580	16.250	20.560	30.200	52.300
NORMALIZED MAX	1.766	3.068	2.900	2.712	2.477	2.617	2.523	2.519	2.473	2.358	2.087	2.717	2.946
CALC. COEF. VAR	.297	.317	.299	.296	.304	.310	.331	.336	.330	.322	.322	.329	.279
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.404	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.404	.402	.399	.393	.394	.332

MEAN/A	1.000	1.152	1.164	1.169	1.1970	1.2217	1.2471	1.2852	1.3128	1.3722	1.5556	1.8100	
HP10/4	1.540	.2124	.2429	.2656	.2884	.3070	.3436	.3805	.4387	.4881	.5680	.8482	1.4393
HP25/4	1.450	.2069	.2988	.3223	.4881	.3701	.4098	.4504	.5167	.5744	.6674	.7164	1.6342
RP50/4	.2075	.2467	.3365	.3638	.3914	.4160	.4587	.5002	.5717	.6353	.7376	.1.0262	1.7672
RP100/4	.2294	.3321	.3754	.4044	.4338	.4667	.5023	.5400	.6243	.6938	.8047	.1.1811	1.8917
RP1000/4	.2998	.4474	.5018	.5353	.5860	.6040	.6465	.6926	.7462	.8042	.8648	.9248	2.0262
RPMP/4	.5785	.5952	.6624	.6994	.7176	.7401	.7842	.8402	.9421	.1.0406	.1.2101	.1.7599	.5.0057
RPMP/A	.7044	1.0701	1.1501	1.1646	1.1677	1.1921	1.1852	1.1705	2.0051	2.2224	2.5661	3.8393	5.9800

PEAKWATER TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC THW RNG LAT HMM LONGITUDE COUNTY CODE  
850 ORDER 508 212 0 ANGWIN PACIFIC UNION C01 1815 05 04N 122°44'5 38H57M 122°44'5 28

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	ID	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.12	5.52	6.52	7.16	7.67	8.02	9.27	10.16	11.58	13.35	15.86	22.24	39.75
5	5.11	7.94	11.43	12.24	10.95	11.42	13.06	14.21	16.12	18.54	21.93	30.67	51.85
10	6.93	9.73	11.44	12.39	14.14	13.69	15.51	16.76	18.94	21.76	25.71	35.82	58.84
20	8.00	11.42	14.37	14.61	15.21	15.84	17.74	19.11	21.51	24.70	29.15	40.47	64.96
25	8.33	11.95	13.98	15.49	15.98	16.51	18.44	19.84	22.31	25.61	30.21	41.89	66.81
50	9.02	13.07	15.25	16.36	17.20	17.90	19.83	21.33	23.72	27.65	32.35	44.46	70.56
50	9.24	13.45	15.46	16.56	17.46	18.56	20.46	22.05	24.32	28.34	33.14	45.14	72.95
100	10.43	15.21	17.08	18.47	19.75	20.85	22.67	24.14	26.95	30.92	34.42	50.19	77.33
200	11.39	16.87	19.49	20.73	21.64	22.51	24.67	26.18	29.14	33.43	39.36	54.09	82.16
1000	13.50	20.49	23.63	24.98	25.91	26.94	29.18	30.75	34.03	39.02	45.89	52.70	92.61
10000	16.55	25.68	28.44	31.46	31.91	33.11	35.39	37.01	40.66	46.61	54.77	74.32	106.32
FM/P	31.72	46.13	54.16	61.39	63.75	71.51	76.66	86.55	99.07	116.14	124.13	244.47	

MEAN	4.563	6.193	7.269	7.916	8.410	9.787	10.606	11.881	12.311	14.184	16.844	23.463	40.882
CLOCK HR. COEF.	1.140	1.70	1.460	1.620	1.811	1.910	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.316	0.825	1.155	1.611	1.876	2.175	1.987	1.433	1.94	1.972	1.843	1.734	.367
REGIONAL SKEW	1.304	1.600	1.500	1.400	1.303	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KUMTOSIS	2.916	3.360	4.612	6.782	8.077	9.608	9.211	6.321	4.062	3.703	3.615	3.160	2.136
RECORD PEAK	19.63	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56
RECORD MAXIMUM	6.800	11.420	15.330	19.550	22.600	26.180	26.480	26.860	29.320	31.550	41.630	63.100	
NORMALIZED MAX	1.432	1.976	2.521	3.681	3.321	3.497	3.516	3.181	2.661	2.469	2.597	2.326	1.785
CALC. COEF. VAR	.356	.427	.440	.477	.503	.513	.466	.453	.444	.432	.382	.370	.305
REGN. COEF. VAR	.403	.430	.430	.423	.423	.423	.417	.410	.403	.402	.399	.393	.332
USED COEF. VAR	.403	.430	.430	.423	.423	.423	.417	.410	.403	.402	.399	.393	.332
MEAN/A	+1101	+1515	+1778	+1936	+2057	+2149	+2448	+2662	+3011	+3469	+4120	+5739	+00000
H10/HR	+1.956	+2.390	+2.798	+3.311	+3.124	+3.349	+3.793	+4.099	+4.632	+5.323	+6.289	+8.761	+1.4393
H25/HR	+2.037	+2.924	+3.419	+3.679	+3.870	+4.030	+4.521	+4.853	+5.545	+6.262	+7.199	+10.244	+1.4362
H50/HR	+2.265	+3.325	+3.876	+4.152	+4.432	+4.633	+5.044	+5.506	+6.228	+7.028	+8.090	+11.257	+1.4372
AP1/100/H	+2.27	+3.325	+3.876	+4.152	+4.432	+4.633	+5.044	+5.506	+6.228	+7.028	+8.090	+11.257	+1.4371
AP1/1000/H	+3.01	+5.113	+5.76	+7.19	+8.339	+8.591	+7.137	+7.522	+8.324	+9.554	+11.225	+15.537	+2.2652
AP1/10000/H	+4.049	+6.281	+7.201	+7.560	+7.779	+8.100	+8.855	+9.051	+9.947	+11400	+13.397	+18.179	+2.0007
PM/H	+7.760	+1.1265	+1.3247	+1.4222	+1.501	+1.5543	+1.7500	+1.8751	+2.1170	+2.4234	+2.8408	+3.9658	+5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC THW RNG LAT HMM LONGITUDE COUNTY CODE  
850 ORDER 508 372 0 ATLAS ROAD 1660 25 07N 04W G M 38.427 122.248 28

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	ID	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.68	4.78	5.55	5.97	6.84	6.98	7.71	9.45	9.85	11.21	13.47	19.51	35.23
5	5.18	6.82	8.03	8.57	9.26	9.21	10.86	11.80	13.72	15.56	18.63	26.90	45.95
10	6.19	8.43	9.74	10.39	11.11	11.73	12.89	13.93	16.12	18.27	21.81	31.92	52.14
20	7.14	9.89	11.38	12.02	12.89	13.60	14.78	15.98	18.31	20.74	24.75	35.49	57.57
25	7.43	10.33	11.90	12.55	13.40	14.18	15.37	16.49	18.48	21.50	25.65	36.74	59.20
40	8.05	11.37	12.98	13.65	14.54	15.37	15.65	17.73	20.36	23.08	31.44	39.29	62.51
50	8.34	11.74	14.49	15.66	16.54	17.47	17.94	18.71	21.31	23.64	26.96	34.67	64.02
100	9.22	13.19	14.95	15.66	16.54	17.47	17.94	18.71	21.31	23.64	26.96	34.67	64.03
200	10.09	14.57	15.79	17.30	18.71	19.33	20.51	21.76	24.80	28.07	33.42	47.44	72.81
1000	12.45	17.75	20.12	21.84	21.90	23.14	24.26	25.55	28.98	32.76	38.97	55.00	82.07
10000	14.78	22.25	25.06	25.79	26.93	28.43	29.41	30.75	34.61	39.13	46.50	65.19	94.22
FM/P	28.32	39.97	46.10	48.51	51.89	54.74	59.68	63.71	73.66	83.19	98.62	142.21	216.65

KUMTOSIS	5.158	7.444	6.437	5.950	7.322	8.194	8.121	7.090	4.631	4.980	4.941	3.656	2.339
RECORD PEAK	19.63	19.63	19.63	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56	19.56
RECORD MAXIMUM	7.680	12.80	13.400	14.620	17.873	19.830	20.840	21.59	22.600	23.740	28.470	37.560	68.800
NORMALIZED MAX	2.027	2.764	2.830	2.634	3.139	3.306	3.376	3.248	2.795	2.512	2.837	2.598	1.895
CALC. COEF. VAR	.449	.453	.412	.461	.482	.493	.446	.427	.414	.395	.349	.318	.300
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.384	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.384	.332
MEAN/A	+1101	+1481	+1708	+1823	+1962	+2083	+2296	+2496	+2892	+3287	+3948	+5681	+00000
H10/HR	+1708	+2327	+2887	+2854	+3066	+3245	+3559	+3844	+4449	+5043	+5539	+7080	+1.0142
H25/HR	+2052	+2658	+3284	+3464	+3700	+3913	+4241	+4551	+5239	+5935	+6536	+7808	+1.6342
H50/HR	+2302	+3251	+3723	+3979	+4160	+4398	+4730	+5053	+5796	+6456	+7126	+8171	+1.7672
AP1/100/H	+2.545	+3.854	+5.552	+5.752	+6.666	+6.366	+6.696	+7.054	+7.590	+9.043	+1.0756	+1.2161	+1.1717
AP1/1000/H	+3.901	+5.552	+6.666	+7.054	+7.590	+8.488	+9.119	+10.801	+12.836	+1.7994	+2.6067		
AP1/10000/H	+4.079	+6.161	+6.918	+7.718	+7.843	+8.748	+9.119	+10.801	+12.836	+1.7994	+2.6067		
PM/H	+7.817	+1.032	+1.2726	+1.3390	+1.4324	+1.5109	+1.6414	+1.7584	+2.0331	+2.4961	+2.7221	+3.9254	+5.9800

REASON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LATITUDE LONGITUDE COUNTY HSN ORDER SUB 455 364 36 09M 07W K M 38°58' 122°53' CODE 28 E30 1312 0 CALISTOGA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.86	4.66	5.60	6.11	6.74	7.17	8.32	9.12	10.62	11.76	13.42	20.08	36.45
5	5.63	7.02	5.10	5.16	5.63	10.22	11.72	12.75	14.74	16.33	19.24	27.70	47.55
10	8.49	9.82	10.57	11.50	12.25	13.92	15.05	17.36	19.18	22.55	32.34	53.95	
20	7.48	11.02	11.44	12.70	13.38	14.17	15.92	17.11	19.72	21.77	25.57	36.54	59.57
25	7.79	11.49	11.00	12.82	13.45	14.77	16.54	17.81	20.45	27.56	26.50	37.82	61.26
40	8.44	11.47	11.09	11.93	15.13	16.02	16.89	19.15	21.93	24.70	29.40	40.45	64.66
50	8.74	11.93	13.60	14.42	15.99	16.50	18.50	19.73	22.62	24.96	29.20	41.04	66.25
100	9.46	13.60	13.46	14.19	15.09	16.04	17.74	19.74	21.74	24.17	31.45	41.32	70.01
200	10.74	14.70	11.74	17.68	19.41	20.13	21.64	23.5	26.72	29.46	34.53	48.84	73.33
1000	13.62	15.99	12.24	21.30	24.79	24.00	26.18	27.61	31.20	34.38	40.29	55.61	84.92
10000	15.44	22.54	25.24	6.35	28.93	29.42	31.75	31.22	37.28	41.07	46.05	67.11	97.49
HMP	20.68	41.51	46.50	44.58	44.88	57.2	64.26	68.82	79.35	87.30	131.88	146.39	224.17

MEAN	4.212	5.437	6.242	6.750	7.394	7.460	8.970	9.769	11.287	12.499	14.776	21.186	37.487
CLOCK MR. COR.	1.404	1.707	1.640	1.671	1.751	1.810	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.135	1.196	1.173	1.039	1.751	1.749	1.667	1.560	1.392	1.595	1.769	.559	.273
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	.800	.500

KUHTOSIS	5.244	4.676	4.326	3.760	3.190	3.093	3.706	3.849	2.225	2.687	3.673	2.833	2.534
N	79	79	79	79	79	79	79	79	79	79	79	79	78
RECORD YR. MEAN	1.24	1.70	1.914	1.94	1.94	1.94	1.906	1.906	1.909	1.909	1.914	1.914	1.938
RECORD MAXIMUM	9.141	12.71	13.840	14.590	14.920	14.920	19.900	20.100	21.640	24.780	33.140	43.170	66.430
NORMALIZED MAE	3.193	3.097	3.178	3.070	2.727	2.691	3.090	2.729	2.336	2.510	3.205	2.785	2.485
CALC. COEF. VAR	.360	.394	.383	.376	.373	.374	.394	.384	.391	.392	.388	.383	.311
REGN. COEF. VAR	.403	.431	.430	.423	.421	.417	.410	.413	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.431	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.124	1.650	1.655	1.801	1.973	2.097	2.395	2.600	3.011	3.334	3.942	5.052	1.0000
RP10/YR	1.730	2.279	2.292	2.819	3.093	3.262	3.712	4.014	4.632	5.115	6.016	.8827	1.4393
RP25/YR	.278	.279	.3202	.3421	.3711	.3940	.4422	.4751	.5454	.6019	.7061	1.0090	1.6342
RP50/YR	.231	.3184	.3289	.3161	.1.413	.4424	.4936	.5276	.6035	.6671	.7812	1.0090	1.6342
RP100/YR	.2578	.3563	.4150	.4292	.4335	.4964	.5624	.5869	.6160	.6829	.8523	1.0089	.8917
RP1000/YR	.3349	.4600	.5042	.6161	.6461	.7045	.7485	.7705	.8125	.8912	.9712	1.0090	1.5103
RP10000/YR	.4711	.6161	.6743	.7030	.7477	.7912	.8469	.8862	.9365	.9845	.9956	1.0090	2.6007
RPMP/YR	.7918	14.805	14.405	13.225	13.440	1.5212	1.7127	1.8359	2.1167	2.3289	2.7178	3.9053	5.9000

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LATITUDE LONGITUDE COUNTY HSN ORDER SUB 455 364 36 09M 07W K M 38°1°00' 122°27' CODE 48 E30 5333 0 NAME ISLAND-NAVY YARD

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D	
2	1.49	2.45	2.67	3.12	3.32	3.79	4.29	4.66	5.49	6.12	7.22	10.44	18.72	
5	2.41	3.54	3.87	4.48	4.74	5.10	6.05	6.86	7.66	8.50	9.98	14.40	24.41	
10	3.35	4.31	4.69	5.41	5.69	6.24	6.88	7.18	7.65	8.98	9.97	11.69	16.82	27.70
20	3.88	5.00	5.48	6.29	6.59	7.49	8.23	8.77	10.20	11.32	13.25	19.00	31.59	
25	4.02	5.30	5.73	6.53	6.87	7.68	8.51	9.05	9.55	11.74	13.74	19.67	31.45	
40	4.36	5.79	6.25	7.14	7.45	8.47	9.32	9.73	11.35	12.59	14.73	21.04	33.21	
50	4.51	6.05	6.50	7.41	7.87	8.77	9.68	10.05	11.70	12.99	15.49	21.07	34.01	
100	4.99	6.75	7.23	8.56	9.72	10.50	11.76	12.79	14.17	15.57	17.57	23.57	36.41	
200	5.46	7.66	7.94	9.03	10.3	11.65	11.43	11.94	13.82	15.32	17.90	25.40	38.68	
1000	6.52	9.09	9.69	10.9	11.23	12.75	13.51	14.03	16.14	17.88	20.88	29.44	43.60	
10000	7.99	11.39	12.08	13.48	13.80	15.67	16.39	16.88	18.94	21.36	24.92	34.90	50.06	
HMP	15.32	21.46	22.21	25.37	26.59	30.16	33.14	34.97	41.04	45.41	52.83	76.13	115.10	

MEAN/A	2.175	2.746	2.982	3.454	3.663	4.157	4.634	4.96	5.839	6.501	7.663	11.018	19.248
CLOCK MR. COR.	1.140	1.707	1.620	1.671	1.811	1.900	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.763	1.564	2.037	1.329	1.141	1.033	.854	.701	.998	.807	.998	.807	.493
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	1.000	1.000	1.000	.800	.500

KUHTOSIS	3.592	6.694	9.975	5.566	4.541	3.991	3.348	2.804	3.959	3.583	4.092	2.930	2.274
N	33	36	33	34	32	33	34	33	34	34	34	34	36
RECORD MAXIMUM	1957	1963	1963	1963	1972	1972	1956	1872	1872	1872	1872	1872	1958
NORMALIZED MAE	3.880	6.750	8.280	8.610	8.610	8.790	10.370	10.130	14.000	14.900	18.210	21.460	33.420
CALC. COEF. VAR	2.033	3.159	3.754	3.196	2.977	2.647	2.301	2.973	2.869	2.965	2.277	1.989	
CALC. COEF. VAR	.378	.662	.473	.467	.494	.668	.468	.452	.470	.450	.464	.416	.370
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1130	.1427	.1549	.1794	.1693	.2160	.2408	.2579	.3031	.3378	.3981	.5724	1.0000
RP10/YR	.1740	.2242	.2437	.289	.295	.3365	.3732	.3972	.4666	.5182	.6076	.8738	1.4393
RP25/YR	.2090	.2753	.2979	.3409	.3656	.4054	.4447	.4702	.5495	.6198	.7104	.8059	1.6342
RP50/YR	.2344	.3132	.376	.404	.411	.4561	.4900	.525	.6075	.6735	.7890	.8551	1.7272
RP100/YR	.3387	.4721	.5168	.5777	.5915	.5455	.595	.6440	.7364	.8086	.8916	.9897	
RP1000/YR	.4154	.5516	.6274	.7005	.7171	.6139	.6913	.7771	.8929	.1.0847	.1.5297	.2.2652	
RPMP/YR	.7961	1.0628	1.1541	1.3179	1.3817	1.5656	1.7216	1.9170	2.1325	2.3594	2.7450	3.9554	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TAP RNG LOT RMN LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 73 14 05W 04W J F 38°27'N 122°24'E 58

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	6.76	3.26	3.63	4.03	4.30	4.95	5.44	6.37	7.09	8.41	12.23	23.00
5	3.01	4.00	4.71	5.61	5.75	6.13	6.97	7.65	8.87	9.45	11.62	18.86	30.00
10	3.66	4.87	5.71	6.29	6.91	7.35	8.29	9.03	10.42	11.56	13.62	19.69	34.04
20	4.15	5.71	6.68	7.31	7.93	8.50	9.40	10.30	11.93	13.12	15.45	22.24	37.59
50	4.72	6.53	7.62	8.63	9.34	9.84	10.74	11.60	12.74	13.41	15.62	23.16	36.85
100	5.10	7.20	8.29	9.16	9.84	10.41	11.35	12.20	13.35	14.04	15.59	24.52	40.11
500	5.85	8.00	7.92	8.61	9.37	9.96	11.00	11.87	13.57	15.05	17.64	25.36	41.80
1000	5.76	7.61	8.83	9.56	10.34	11.03	12.10	13.01	14.82	16.43	19.30	27.55	44.74
10000	5.95	8.41	9.74	10.52	11.37	12.08	13.17	14.11	16.03	17.76	20.48	29.73	47.53
PMP	5.59	12.85	14.71	15.68	16.74	17.77	18.89	19.95	22.37	24.76	29.02	40.85	61.52
	16.46	23.07	27.05	29.50	32.25	34.21	38.20	41.31	47.61	52.64	61.54	89.11	141.45

MEAN	2.136	3.096	3.632	4.017	4.414	4.715	5.342	5.864	6.773	7.536	8.926	12.896	23.653
CLOCK HR. COM.	1.140	1.77	1.840	1.629	1.01	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.246	2.642	1.666	1.430	1.292	1.213	.894	.713	.537	.485	.532	.500	.316
REGIONAL SKW	1.360	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500
SKW USL	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500

KURTOSIS	5.141	15.328	8.721	6.772	5.970	5.837	4.307	3.442	2.555	2.484	2.560	2.658	2.468
N	75	75	75	75	75	75	75	75	75	75	75	75	78
RECORD YEAR	1963	1963	1963	1963	1963	1963	1956	1956	1956	1956	1956	1941	1941
RECORD MAXIMUM	4.460	9.320	9.640	16.050	10.377	11.360	12.290	12.65	13.23	14.160	17.310	24.360	42.060
NORMALIZED MAX	2.936	5.650	4.445	4.004	3.539	3.738	3.456	3.036	2.489	2.336	2.916	2.395	2.541
CALC. COEF. VAR	.151	.398	.372	.375	.381	.377	.371	.374	.383	.376	.373	.371	.366
REGN. COEF. VAR	.453	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.463	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0988	1.109	1.535	1.698	1.146	.1993	.2258	.2479	.2861	.3186	.3774	.5452	1.0000
HR.25/H	.1521	2.05	2.416	2.626	2.219	.3116	.3500	.3818	.4405	.4848	.5755	.6323	1.4333
HR.50/H	.1771	2.07	2.427	2.637	2.227	.3126	.3512	.3820	.4407	.4850	.5762	.6337	1.4342
HR.100/H	.2049	2.074	2.346	2.642	2.341	.4216	.4652	.5159	.5739	.6326	.7476	.1.0722	.7122
RP100/H	.2266	2.311	1.3734	2.045	4.987	.4462	.5117	.5490	.6268	.6964	.8159	1.1663	1.8917
RP1000/H	.2961	4.332	.4990	.5388	.5756	.6112	.6586	.7000	.7914	.8764	1.0281	1.4570	2.2652
RP10000/H	.3631	.5242	.6718	.6631	.7077	.7512	.7985	.8431	.9458	1.0469	1.2270	1.7270	2.6007
PMP/H	.6450	.9752	1.1430	1.2474	1.3036	1.4461	1.6148	1.7466	2.0130	2.2555	2.6019	3.7675	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TAP RNG LOT RMN LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 73 14 05W 04W J F 38°44'N 122°41'E 28

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.65	4.79	5.86	5.92	6.43	6.88	7.99	8.64	9.99	11.35	13.36	19.03	33.31
5	5.14	6.94	7.89	8.47	9.18	9.81	11.26	12.07	13.91	15.76	18.51	26.25	43.44
10	6.13	8.45	9.58	10.21	11.01	11.76	13.37	14.24	16.34	18.50	21.69	30.65	54.43
20	7.87	9.49	11.19	11.87	12.47	13.60	15.32	16.24	18.56	21.09	24.59	34.63	54.43
50	7.31	9.10	9.32	9.42	9.52	9.62	9.72	9.82	9.92	10.02	10.12	10.22	10.37
100	7.94	11.35	12.77	13.48	14.23	14.57	15.23	16.13	16.84	17.54	18.31	20.75	33.53
200	8.76	11.81	13.27	13.99	14.45	15.19	16.77	17.72	18.72	21.29	24.08	28.16	39.48
1000	9.14	13.22	14.80	15.55	16.56	17.65	19.54	20.51	23.25	26.29	30.73	42.95	64.79
10000	9.99	14.61	16.32	17.08	18.14	19.33	21.27	22.25	25.15	28.43	33.20	46.28	68.83
PMP	14.66	22.31	24.65	25.47	26.71	27.13	28.15	29.36	31.14	33.18	38.72	53.65	77.58
	26.06	30.08	45.35	47.91	51.46	54.74	61.67	65.16	74.69	82.24	97.96	136.73	204.81

MEAN/A	3.983	5.380	6.087	6.522	7.050	7.545	8.625	9.249	10.624	12.060	14.210	20.077	34.250
CLOCK HR. COM.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.037	1.129	.972	1.621	1.428	1.701	1.600	1.529	.624	.326	.393	.309	.391
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500
SKW USEI	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500

KURTOSIS	4.360	4.279	4.402	6.780	8.758	8.002	6.876	7.127	4.029	2.895	3.560	3.221	2.458
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1956	1954	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	6.550	9.000	10.290	11.510	16.100	16.490	18.220	19.230	19.991	20.780	25.340	34.100	53.710
NORMALIZED MAX	2.161	2.010	2.040	2.099	3.072	3.303	3.163	3.222	2.672	2.256	2.492	2.360	1.985
CALC. COEF. VAR	.316	.332	.299	.387	.388	.377	.352	.385	.380	.321	.311	.315	.286
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.322
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.322

MEAN/A	.1163	.1571	.1777	.1904	.2054	.2203	.2518	.2700	.3102	.3521	.4149	.5862	1.0000
HR.10/H	.1790	.2469	.2796	.2961	.3219	.3403	.4159	.4771	.5202	.5645	.6548	.8988	1.4333
HR.25/H	.2151	.3132	.3417	.3616	.3881	.4139	.4651	.4923	.5610	.6317	.7437	1.0465	1.3322
HR.50/H	.2913	.4348	.3873	.4084	.4264	.4652	.5147	.5467	.6217	.7031	.8222	1.1527	1.7672
RP100/H	.2668	.4595	.4322	.4539	.4834	.5152	.5745	.5999	.6790	.7676	.8971	1.2539	1.8917
RP1000/H	.4845	.5199	.5776	.6008	.6342	.6755	.7344	.7631	.8574	.9686	1.1304	1.5665	2.2652
RP10000/H	.4725	.6514	.7197	.7435	.7748	.8320	.8969	.9183	1.0246	1.1570	1.3491	1.8567	2.6007
RP4/H	.8193	1.1703	1.3240	1.3987	1.5026	1.5958	1.8000	1.9024	2.1806	2.4595	2.8605	4.0504	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PHOTONIC MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHICH IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC THW RNG LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 430 6354 0 OAKVILLE 454 1415 0N 40W 1SW M 38°38' 122°44' 28

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (0-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1Y	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	60D	80D	100D	150D	200D	300D	600D	365D
2	4.15	6.23	6.12	6.60	7.18	7.64	8.61	9.74	11.24	12.79	15.37	21.98	39.02							
5	4.45	7.72	8.65	9.47	10.26	10.84	12.14	13.47	15.72	17.77	21.25	30.31	50.90							
10	4.99	9.41	11.73	11.92	12.36	13.05	14.61	15.89	18.47	20.86	24.91	35.39	57.76							
25	8.16	11.94	12.55	13.28	14.29	15.19	16.51	18.12	20.94	23.68	28.24	39.99	61.77							
50	9.99	11.55	13.12	14.46	15.74	17.17	19.81	21.75	24.55	29.27	41.39	65.58								
100	9.41	13.14	14.87	14.65	16.81	17.99	19.15	20.49	24.07	27.01	32.34	45.59	70.42							
200	11.41	14.94	17.50	17.50	19.29	19.9	21.69	23.43	26.33	31.37	44.27	69.24								
400	11.06	16.26	17.79	20.20	21.45	22.99	24.83	26.63	29.44	35.29	45.50	70.91								
1000	13.86	17.81	22.14	21.06	25.68	27.11	29.41	33.19	37.40	44.66	61.96	90.90								
10000	16.88	25.82	27.63	24.49	29.43	31.56	33.87	35.09	39.59	44.68	53.16	73.44	104.36							
PFH	31.97	44.60	51.83	53.59	57.45	60.75	66.47	72.69	84.42	94.99	112.52	160.22	239.97							

MEAN	4.53K	5.98E	6.82A	7.24B	7.87C	8.37D	9.29E	10.31F	12.00G	13.59H	16.32I	23.18J	40.12K						
CLOCK HR. COH.	1.145	1.70	1.950	1.910	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.141	2.01	1.210	1.861	2.311	2.555	2.445	2.124	1.270	1.056	1.233	1.984	7.171						
REGIONAL SKEW	1.300	1.500	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.900	0.900	0.800	0.500						
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.900	0.900	0.800	0.500						

KUHTUSIS	6.49J	8.32L	4.70M	6.07N	10.70P	11.79Q	11.16R	9.43S	5.63T	4.69U	5.32V	8.81W	2.93Z							
N	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
RECORD MAX.	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	
RECORD MAX.	7.67K	12.15L	12.60M	16.39N	20.40O	22.99P	25.17Q	26.21R	27.510	33.680	42.810	66.690								
NORMALIZED MAX	2.365	2.971	2.577	3.264	3.069	3.704	3.707	3.544	2.965	2.911	2.985	2.526	2.226							
CALC. COEF. VAR	.300	.367	.332	.391	.427	.445	.397	.406	.399	.394	.356	.335	.332							
REGN. COEF. VAR	.403	.430	.430	.420	.420	.417	.410	.403	.402	.399	.393	.394	.332							
USED COEF. VAR	.403	.430	.430	.420	.420	.417	.410	.403	.402	.399	.393	.394	.332							
MEAN	.1131	.1492	.1700	.1814	.1982	.2047	.2317	.2571	.2992	.3388	.4167	.5778	1.0000							
HP100/A	.1741	.2344	.2675	.2846	.3166	.3252	.3590	.3966	.4663	.5199	.6267	.8820	1.4393							
HP25/A	.2049	.2879	.3269	.3459	.3599	.3921	.4279	.4666	.5211	.6117	.7233	1.0315	1.4342							
HP50/A	.2366	.3275	.3707	.3949	.4161	.4467	.4772	.5204	.5722	.6459	.7139	.8139	.9138	.9767						
HP1000/A	.2594	.3636	.4161	.4574	.4949	.5349	.5743	.6156	.6559	.7139	.7743	.8559	.9159	.9717						
HP10000/A	.3139	.4337	.4926	.5326	.5696	.6359	.6755	.7267	.7471	.7932	.8108	.8540	.8940	.9252						
RP100/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP100000000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP1000000000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP10000000000000000000000000000000/JUS	.1547	.1818	.1856	.1918	.1974	.2046	.2084	.2143	.2181	.2217	.2248	.2408	.2540	.2720	.2737	.3754	.5287	.7650		
RP																				

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TMP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE		
ASN ORDER SUB	ST. HELENA 45W	1796	14	07N	6W	M	38°50'	122°53'	21		21		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	7.96	5.47	4.38	4.87	7.50	7.96	9.04	9.95	11.43	12.92	15.44	21.83	41.71
5	5.48	7.93	9.11	9.87	10.71	11.34	12.74	13.91	15.92	17.95	21.35	30.10	54.40
10	6.67	9.66	11.05	11.40	12.80	13.00	13.13	13.41	18.70	21.07	25.02	35.14	61.73
25	7.60	11.33	12.92	13.83	14.99	15.73	17.34	18.71	21.25	23.92	24.56	39.71	64.15
50	8.11	14.01	15.51	16.40	17.51	18.00	19.42	22.02	24.80	24.90	41.10	70.09	
40	8.47	12.97	14.50	15.70	16.40	17.03	18.36	20.20	23.00	26.59	31.51	42.95	64.00
60	9.04	12.49	15.31	16.30	17.64	19.44	20.31	21.51	23.37	27.13	32.29	45.27	77.79
100	9.93	15.16	17.08	18.11	19.42	20.41	22.11	23.61	26.61	29.94	35.44	49.25	81.13
200	10.46	16.69	18.83	19.90	21.17	22.35	24.07	25.03	28.74	32.37	39.30	53.07	86.19
1000	12.97	23.34	28.83	32.98	35.15	36.76	37.46	37.11	33.66	37.78	44.66	61.52	97.15
10000	15.91	25.49	25.45	25.67	31.17	32.98	34.51	36.23	40.16	45.13	53.30	72.92	111.54
PMP	31.56	45.79	52.33	55.81	60.00	63.30	67.79	75.05	85.47	95.94	113.02	159.09	256.47
MEAN	4.329	6.147	7.025	7.599	8.228	9.725	9.761	10.653	12.158	13.735	16.392	23.023	42.889
CLOCK HR. CORR.	1.140	1.173	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.354	.113	.019	.963	1.150	1.215	1.154	1.153	.798	.966	.886	.664	.252
REGIONAL SKEW	1.330	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.330	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
KURTOSIS	2.394	2.652	3.867	3.544	4.123	4.562	4.450	4.494	3.694	4.150	4.045	3.715	2.174
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1963	1963	1963	1956	1956	1956	1956	1956	1965	1965	1965	1956	1956
NORMALIZED MAX	6.260	16.451	13.737	14.450	16.721	16.500	16.20	21.300	22.251	24.690	29.880	39.480	62.200
CALC. COEF. VAR	.351	.418	.409	.422	.420	.431	.381	.372	.344	.338	.323	.299	.272
REGN. COEF. VAR	.493	.433	.430	.423	.429	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.493	.433	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.009	1.433	1.638	1.772	1.914	2.034	2.276	2.488	2.835	3.202	3.822	.5368	1.0000
HP100/A	1.154	2.257	2.577	2.774	2.949	3.170	3.527	3.825	4.461	4.933	5.833	.8194	1.4393
HP25/A	1.147	2.257	2.577	2.774	2.949	3.170	3.527	3.825	4.461	4.933	5.833	.8194	1.4393
HP50/A	2.294	3.146	3.570	3.890	4.467	4.297	4.759	5.188	5.520	5.848	6.394	.9583	1.6342
RP100/A	2.316	3.521	3.983	4.224	4.906	4.759	5.156	5.503	6.205	6.981	7.574	1.0630	2.1657
RP1000/A	3.025	4.741	5.324	5.590	5.911	6.728	6.636	7.021	7.735	8.810	10.041	1.4355	2.2652
RP10000/A	3.710	5.943	6.633	6.918	7.266	7.667	8.067	8.447	9.9363	1.0523	1.2427	1.7003	2.6007
HPM/A	7.711	11.677	12.202	13.814	14.905	14.750	14.272	17.499	1.9929	2.2369	2.4353	3.7093	5.9400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TMP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE		
ASN ORDER SUB	CHADUT 46S	343	c45	30	025	n2w	R	M	37°7.0	122°122	40		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.18	2.69	3.07	3.40	3.71	4.01	4.58	5.05	5.84	5.54	7.79	11.54	21.24
5	3.07	3.89	4.44	4.89	5.30	5.71	6.46	7.05	8.19	9.09	10.77	15.91	27.70
10	3.67	4.74	5.39	5.89	6.34	6.84	7.67	8.34	10.67	12.63	16.58	21.43	31.43
20	4.23	5.56	6.30	6.85	7.36	7.91	8.79	9.51	10.92	12.11	14.32	20.99	34.71
40	4.50	5.92	6.77	7.55	8.15	8.75	9.45	10.27	12.52	14.54	17.12	25.35	39.59
60	4.77	6.52	7.47	8.41	9.02	9.65	10.31	11.06	13.16	15.16	17.36	23.24	37.68
50	4.94	6.62	7.47	8.47	9.07	9.62	10.37	11.06	12.93	13.88	16.40	23.93	38.60
100	5.46	7.41	8.34	9.97	9.55	10.27	11.21	12.00	13.64	15.16	17.89	26.03	41.31
200	5.98	8.20	9.19	9.38	10.67	11.25	12.20	13.02	14.80	16.39	19.33	28.06	43.89
1000	7.14	9.93	11.14	11.87	12.54	13.46	14.43	15.29	17.29	19.13	22.54	32.52	49.47
10000	8.75	12.51	13.88	14.69	15.41	16.55	17.50	18.47	20.65	22.85	26.70	38.95	56.89
PMP	16.78	22.48	25.53	27.64	29.70	31.85	35.39	36.13	43.95	48.57	57.95	64.10	130.61
MEAN	2.381	3.118	3.427	3.763	4.008	4.391	4.949	5.412	6.256	6.954	8.274	17.171	21.840
CLOCK HR. CORR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.795	2.118	2.653	2.276	1.938	1.394	.765	.667	.454	.518	.882	.502	
REGIONAL SKEW	1.330	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.500	
SKEW USED	1.330	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.500	
KURTOSIS	7.874	10.447	14.839	12.441	9.003	7.257	4.249	3.356	2.407	2.946	2.746	3.521	2.823
N	93	93	93	92	92	92	92	93	92	92	93	92	94
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1890
NORM. 12ZD MAX	6.460	8.470	11.430	11.930	11.370	11.350	11.95	11.950	15.290	17.220	26.830	40.850	
CALC. COEF. VAR	.494	.405	.425	.405	.482	.372	.364	.368	.367	.367	.381	.303	
REGN. COEF. VAR	.493	.433	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.493	.433	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.090	1.329	1.569	1.723	1.863	2.010	2.266	2.478	2.863	3.184	3.788	.5573	1.0000
HP10/A	1.670	2.171	2.469	2.697	2.910	3.133	3.512	3.808	4.433	4.693	5.302	.8507	1.4393
HP25/A	2.317	2.667	2.774	2.767	3.312	3.774	4.148	4.518	4.889	5.158	5.758	.9949	1.4342
HP50/A	2.282	3.333	3.420	3.365	4.246	4.668	5.573	5.357	5.357	5.753	6.753	1.0595	1.7127
RP100/A	2.501	3.395	3.916	4.477	4.375	4.762	5.134	5.549	5.266	5.694	6.819	1.1920	1.9917
RP1000/A	3.268	4.573	5.101	5.636	5.740	6.105	6.604	7.003	7.912	8.785	1.0321	1.4992	2.2652
RP10000/A	4.008	5.730	6.355	6.727	7.157	7.577	8.013	8.426	9.455	1.0462	1.2318	1.7651	2.6007
HPM/A	7.681	11.293	11.671	12.020	13.593	14.545	15.203	17.457	2.0124	2.2239	2.8120	3.8507	5.9800

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC Twp Rng Lot RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB N 374944 122170 CODE  
E40 1664 0 CHARLES HILL HANOR 725 N 07

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.34	3.73	4.57	7.37	10.92	27.40
5	4.15	5.34	6.51	11.41	13.26	36.50
10	4.75	6.56	8.02	12.48	14.16	42.56
20	5.71	7.69	9.38	14.49	20.01	48.29
25	5.95	7.95	9.51	14.95	20.56	50.48
40	6.44	8.61	11.70	16.37	23.53	53.80
50	6.67	7.16	11.12	16.25	24.37	54.55
100	7.10	11.25	12.40	18.40	20.92	64.97
200	8.10	11.33	13.47	21.62	29.41	66.19
1000	9.44	11.41	16.58	24.78	33.03	77.34
10000	11.02	17.30	26.06	31.55	42.45	74.41
PHP	22.66	31.08	36.00	67.12	82.00	176.19

MEAN  
CLOCK HR. CUE.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

3.217	4.172	5.100	8.104	11.201	29.463
1.140	1.73	1.040	1.010	1.010	1.000
0.903	1.575	1.768	1.943	3.343	3.217
1.300	1.600	1.590	1.610	1.301	1.300
1.310	1.600	1.590	1.610	1.301	1.300

KURTOSIS  
N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGION COEF. VAR  
USED COEF. VAR

3.210	5.088	7.823	4.176	2.315	2.0170
22	22	22	22	22	22
1943	1943	1953	1956	1756	1958
4,470	9,120	12,870	16,190	21,411	47,410
1.14	2.60	3.06	3.05	2.00	1.419
.364	.659	.929	.925	.314	.321
.473	.431	.410	.403	.393	.332
.473	.431	.410	.403	.393	.332

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PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO.	STATION NAME	ELIV	SEC	TMP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY	CODE	NAME	CD
BSN ORDER SUB	E&O 7864 0	HAYWARD HIGH SCHOOL	110	04	015	024	J	M	37°67'	122°08'	60		
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS													
RETURN PERIOD	IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	F YR
2	2.11	2.58	2.97	3.34	3.59	3.79	4.38	4.82	5.59	6.09	7.09	19.33	
5	2.96	3.74	4.30	4.79	5.13	5.41	6.17	6.73	7.78	8.46	9.80	29.65	
10	3.54	4.55	5.22	5.78	6.16	6.48	7.32	7.94	9.14	9.93	11.48	29.18	
20	4.08	5.34	6.10	6.72	7.13	7.50	8.40	9.08	10.39	11.29	13.02	32.56	
25	4.25	5.59	6.39	7.02	7.43	7.82	8.73	9.41	10.76	11.69	13.49	33.59	
40	4.60	6.12	6.92	7.64	8.09	8.48	9.46	10.11	11.51	12.51	14.24	35.70	
50	4.77	6.37	7.23	7.92	8.36	8.78	9.77	10.44	11.84	12.93	14.91	36.69	
100	5.27	7.12	8.06	8.80	9.26	9.73	10.71	11.44	13.00	14.11	16.27	19.61	
200	5.76	7.87	8.89	9.57	10.14	10.65	11.65	12.44	14.05	15.26	17.58	42.44	
400	6.89	9.59	11.78	11.65	12.15	12.75	13.78	14.57	16.42	17.81	20.50	46.70	
1000	9.45	12.07	13.43	14.42	14.99	15.67	16.71	17.53	19.62	21.27	24.46	57.13	
RPM	16.14	21.59	24.70	27.12	28.71	30.17	33.70	36.32	41.76	45.22	51.87	170.48	
MEAN	2.297	2.698	3.316	3.642	3.942	4.159	4.728	5.151	5.941	6.474	7.523	20.213	
CLOCK Hr. COEF.	1.140	1.170	1.050	1.040	1.031	1.020	1.020	1.017	1.010	1.000	1.000	1.000	
CALCULATED SKEW	3.138	3.194	3.043	2.394	1.933	1.694	1.085	1.750	.506	.462	.664		
REGIONAL SKEW	1.300	1.600	1.500	1.600	1.300	1.300	1.000	1.000	.900	.900	.900	.900	
SKEW USED	1.300	1.600	1.500	1.600	1.300	1.300	1.000	1.000	.900	.900	.900	.900	

KUHTOSIS	17.177	16.918	16.245	11.605	8.625	6.731	4.703	3.914	2.874	2.185	2.037	3.249	
N	56	56	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1958
RECORD MAXIMUM	6.910	9.610	10.590	11.110	11.110	11.110	11.110	11.110	11.110	11.110	11.110	13.020	37.890
NORMALIZED MAX	4.418	4.770	4.906	4.519	4.194	3.924	3.473	2.870	2.523	2.143	1.943	2.747	
CALC. COEF. VAR	.454	.468	.447	.445	.434	.426	.389	.401	.374	.371	.376	.318	
REGN. COEF. VAR	.453	.438	.436	.423	.426	.417	.418	.403	.452	.399	.393	.332	
USED COEF. VAR	.413	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.332	
MEAN/A	.1137	.1434	.1840	.1827	.1450	.2058	.2338	.2551	.2939	.3203	.3722	1.0000	
HR10/A	.1750	.2253	.2511	.2869	.3144	.3277	.3223	.3278	.4521	.4454	.4580	.4447	
HR25/A	.2127	.2474	.2747	.3077	.3377	.3377	.3377	.3377	.4578	.4578	.4578	.4447	
HR50/A	.2358	.3167	.3575	.3917	.4133	.4133	.4133	.4133	.5990	.6395	.7370	.6164	
RP100/A	.2667	.3522	.3949	.4354	.4581	.4613	.5237	.5458	.6982	.8048	.9598		
RP1000/A	.3167	.4745	.5332	.5756	.6062	.6141	.6184	.7208	.8123	.8811	.9104	.24.091	
RP10000/A	.4178	.5545	.6643	.7132	.7389	.7755	.8266	.8674	.9470	.1.0524	.1.2102	.2.8264	
RPM/A	.8007	1.1681	1.2220	1.3417	1.4237	1.4248	1.6716	1.7969	2.0661	2.2372	2.5663	5.9800	

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO.	STATION NAME	ELIV	SEC	TMP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY	CODE	NAME	CD
BSN ORDER SUB	E&O 4357 0	JENSEN HANCH	110	31	025	014	0	M	37°71'	122°07'	60		
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS													
RETURN PERIOD	IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	3850
2	2.23	2.93	3.32	3.71	4.09	4.38	4.94	5.36	6.47	7.27	8.61	12.88	23.36
5	3.14	4.11	4.81	5.33	5.84	6.24	6.97	7.44	9.01	10.10	11.91	20.37	30.47
10	3.74	5.00	5.83	6.43	7.01	7.68	8.43	9.83	11.85	13.96	19.74	34.58	
20	4.42	5.97	6.82	7.47	8.11	8.65	9.42	10.07	12.03	13.46	15.82	23.43	38.18
25	4.50	6.01	7.00	7.64	8.20	8.80	9.51	10.20	12.00	13.46	15.82	23.42	38.18
40	4.47	6.01	7.00	7.78	8.48	9.17	9.87	10.40	12.12	13.54	15.90	23.46	38.16
50	5.05	6.49	7.08	7.80	8.51	9.14	9.84	10.47	12.14	13.56	15.94	23.44	38.14
100	6.10	7.82	8.57	9.34	10.00	10.77	11.47	12.14	13.81	14.57	16.30	24.30	38.12
200	6.94	8.72	9.47	10.20	10.90	11.60	12.30	13.00	14.67	15.37	17.00	24.28	38.10
400	8.07	10.00	10.77	11.54	12.27	12.94	13.61	14.30	15.97	16.67	18.30	24.26	38.08
1000	9.12	11.25	12.00	12.77	13.50	14.17	14.84	15.51	16.98	17.65	19.28	24.24	38.06
2000	10.27	12.40	13.17	13.94	14.67	15.34	16.01	16.68	18.04	18.71	19.98	24.22	38.04
4000	11.32	13.50	14.27	15.04	15.71	16.38	17.05	17.72	18.98	19.65	20.30	24.20	38.02
10000	12.37	14.55	15.32	16.09	16.76	17.43	18.10	18.77	19.95	20.62	21.30	24.18	38.00
MEAN	2.432	3.183	3.747	4.055	4.490	4.800	5.377	5.735	6.984	7.727	9.144	13.584	24.027
CLOCK Hr. COEF.	1.140	1.070	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.135	.838	1.126	.939	.743	.790	.389	.245	.493	.574	.642	.298	.012
REGIONAL SKEW	1.300	1.600	1.500	1.600	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500
SKEW USED	1.300	1.600	1.500	1.600	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500
KUHTOSIS	4.526	3.102	4.876	4.433	3.748	3.748	2.864	2.597	2.187	2.037	2.483	2.321	2.321
N	43	43	43	43	43	43	43	43	43	43	43	43	49
RECORD YEAR	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1941
RECORD MAXIMUM	4.510	5.769	8.020	9.220	9.220	10.140	10.490	11.480	11.760	12.570	17.960	37.960	
NORMALIZED MAX	2.431	2.731	3.044	3.304	3.180	2.940	2.640	2.320	2.020	1.720	2.250	2.148	
CALC. COEF. VAR	.351	.363	.377	.387	.397	.407	.376	.368	.355	.347	.357	.357	.244
REGN. COEF. VAR	.351	.363	.377	.387	.397	.407	.376	.368	.355	.347	.357	.357	.244
USED COEF. VAR	.403	.430	.430	.423	.420	.420	.417	.410	.403	.402	.399	.394	.244
MEAN/A	.1012	.1325	.1543	.1768	.1867	.1998	.2221	.2387	.2865	.3216	.3805	.5654	1.0000
HR10/A	.1588	.2267	.2976	.2917	.3133	.3133	.3442	.3677	.4057	.4377	.4830	.5830	1.4393
HR25/A	.1972	.2627	.3246	.3204	.3744	.3744	.4025	.4522	.5197	.5256	.5825	.6093	1.4393
HR50/A	.2110	.2908	.3363	.3684	.4595	.4575	.5234	.5742	.6421	.7572	.8118	.9203	2.1493
RP10/A	.2322	.3557	.4073	.4385	.4673	.5032	.5293	.6271	.7011	.7745	.8186	.8846	1.8917
RP100/A	.3036	.4384	.5015	.5391	.5753	.6126	.6477	.7191	.7919	.8464	.9150	.9518	2.2652
RP1000/A	.3721	.5493	.6246	.6671	.7073	.7529	.7853	.8118	.9635	.1.0547	.1.2375	.1.7908	2.6007
RP10000/A	.7131	.8965	1.1494	1.2629	1.3044	1.5881	1.6817	2.0141	2.2463	2.6262	3.9066	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-URATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 4637 0	STATION NAME LAFAYETTE RESERVOIR	ELEV 466	SEC Jn	TWP 014	RNG LOT 03W 0	HWM M	LATITUDE 37°8'05"	LONGITUDE 122°14'00"	COUNTY CODE 07
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	100	300	F YR
2	2.70	3.58	4.99	10.64	10.00	24.74
5	3.81	5.16	5.92	9.30	13.94	32.95
10	4.65	6.29	7.18	11.24	18.64	38.43
20	5.24	7.38	8.39	13.21	19.15	43.60
25	5.47	7.72	8.41	13.51	19.40	45.00
40	6.91	9.44	10.57	14.13	21.56	48.68
50	8.13	10.71	9.94	15.27	22.32	50.15
100	10.77	14.83	11.05	16.59	24.66	54.94
200	7.41	11.87	12.23	18.58	28.34	59.68
1000	10.45	13.24	14.83	22.31	32.13	70.17
10000	10.45	16.59	18.47	27.53	37.34	85.24
PPF	20.40	24.81	33.96	51.47	75.16	159.04

MEAN	2.953	4.70	4.562	7.306	10.40	26.602
CLOCK HR. COR.	1.140	1.70	1.940	1.010	1.010	1.300
CALCULATED SKEW	+.644	1.15	.770	+.810	+.545	+.564
REGIONAL SKEW	1.310	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	2.654	3.650	3.289	3.283	2.386	2.486
N	29	29	29	29	24	29
RECORD YEAR	1970	1963	1983	1956	1956	1958
RECORD MAXIMUM	4.290	7.500	9.290	16.190	21.250	45.930
NORMALIZED MAX	1.544	2.494	2.325	2.426	2.455	2.220
CALC. COEF. VAR	+.244	+.416	+.437	+.430	+.420	+.327
REGN. COEF. VAR	+.473	+.431	+.436	+.433	+.493	+.352
USED COEF. VAR	+.403	+.459	+.430	+.413	+.393	+.312

MEAN/A	11.10	15.04	17.15	27.74	46.98	100.00
W10/A	17.79	23.64	26.08	42.00	82.51	1.0000
W25/A	1.544	2.494	2.325	2.426	2.455	1.0000
W50/A	2.213	3.202	3.738	5.741	9.392	1.0000
RP1000/A	25.646	36.985	41.70	6.36M	9.265	2.0000
RP10000/A	33.224	49.78	55.74	8.366	1.2078	2.6452
PP10000/A	40.898	62.37	6.945	1.637	1.8740	3.2044
PPM/A	7.719	1.1205	1.2775	1.4350	2.0253	5.9910

## PRECIPITATION DEPTH-URATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 5371 0	STATION NAME MARTINEZ 3 S	ELEV 225	SEC 02N	TWP 02W	RNG LOT M	HWM 37°9'67"	LATITUDE 122°13'J	LONGITUDE 122°13'J	COUNTY CODE 07
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.18	2.95	3.45	5.58	9.38	19.02
5	3.07	4.29	4.99	7.89	11.69	25.33
10	3.66	5.21	6.06	9.45	13.91	29.54
20	4.23	6.10	7.08	11.00	14.91	33.52
25	4.44	6.41	7.40	11.41	16.67	34.76
40	4.77	7.00	8.08	12.38	18.03	37.95
50	4.94	7.28	8.39	12.64	16.67	38.58
100	5.46	8.15	9.33	14.24	20.62	42.25
200	5.97	9.01	10.32	15.82	22.53	45.88
1000	7.13	11.98	12.52	14.75	20.87	54.10
10000	8.75	13.75	15.59	21.14	32.91	65.53
PPF	16.76	24.71	28.89	41.27	62.88	122.30

MEAN/A	2.379	3.317	3.850	6.142	9.118	20.451
CLOCK HR. COR.	1.140	1.070	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.744	2.415	2.504	.788	.104	.632
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	8.617	10.997	11.660	3.374	1.970	2.410
N	25	25	25	25	25	27
RECORD YEAR	1963	1983	1963	1956	1956	1958
RECORD MAXIMUM	4.7670	9.2900	11.5400	12.200	15.890	34.860
NORMALIZED MAX	2.434	3.395	3.633	2.260	1.940	2.064
CALC. COEF. VAR	+.413	+.521	+.550	+.436	+.393	+.325
REGN. COEF. VAR	+.403	+.430	+.430	+.403	+.393	+.332
USED COEF. VAR	+.403	+.430	+.430	+.403	+.393	.

MEAN/A	1.163	1.622	1.883	.3004	.4458	1.0000
W10/A	1.163	1.260	2.962	.421	.683	1.0000
W25/A	2.152	1.139	.507	.5570	.8151	1.6999
W50/A	2.916	1.361	.4104	.6278	.9129	1.8853
RP100/A	2.669	.3985	.4579	.4963	1.0083	2.0661
RP1000/A	3.987	.5368	.6120	.9171	1.3139	2.6452
RP10000/A	4.277	.6726	.7625	1.1315	1.6098	3.2044
PPM/A	8.197	1.2083	1.4027	2.1160	3.0738	5.9860

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LAT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB M 3R+016 122+118 CODE  
E40 5371 0 MARTINEZ FIRE YARD

MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	100	300	F YR
2	1.89	2.36	2.82	4.63	6.97	16.40
5	2.47	3.47	4.07	6.54	9.45	22.10
10	3.19	4.16	4.94	7.84	11.48	25.77
20	3.68	4.89	5.77	9.07	13.21	29.24
25	3.83	5.11	6.04	9.46	13.75	30.33
40	4.15	5.59	6.59	10.27	14.88	32.58
50	4.30	5.82	6.85	10.65	15.40	33.44
100	4.71	6.51	7.51	11.43	17.00	36.16
200	5.20	7.20	8.42	12.95	19.59	40.12
1000	6.71	9.77	11.21	15.55	22.17	47.19
10000	7.41	11.99	12.72	19.19	27.15	57.17
PMP	14.59	19.74	23.40	35.88	51.86	106.69

MEAN	2.070	2.650	3.140	5.093	7.522	17.841
CLOCK HR. COR.	1.140	1.170	1.040	1.010	1.010	1.010
CALCULATED SKEW	1.364	1.977	2.130	1.676	1.629	1.629
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	5.455	8.610	9.842	3.314	3.144	2.652
N	44	24	24	24	24	24
RECORD YEAR	1963	1963	1963	1956	1956	1956
RECORD MAXIMUM	3.660	6.177	6.320	10.690	14.020	32.810
NORMALIZED MAX	2.297	3.408	3.764	6.680	2.633	2.455
CALC. COEF. VAR	.334	.379	.438	.410	.358	.342
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1160	.1485	.1780	.2055	.2426	1.0000
RP10/A	.1717	.2334	.2709	.4193	.8834	1.4446
RP25/A	.2148	.2867	.3384	.5303	.7779	1.6999
RP50/A	.2408	.3206	.3837	.5967	.8634	1.8853
RP100/A	.2682	.3649	.4269	.6488	.9366	2.0041
RP1000/A	.3178	.4615	.5721	.8717	1.8429	2.6452
RP10000/A	.4266	.5153	.7129	1.1755	1.5217	3.2044
RP100000/A	.4175	1.1655	1.3114	2.1112	2.9058	5.9870

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LAT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER Sub M 3R+017 122+133 CODE  
E40 5371 0 MARTINEZ FIRE STATION

MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	100	300	F YR
2	1.45	2.44	2.91	4.63	6.97	17.13
5	2.42	3.53	4.21	6.54	9.74	22.81
10	3.12	4.30	5.11	7.84	11.59	26.40
20	3.60	5.04	5.97	9.07	13.34	30.18
25	3.75	5.28	6.25	9.44	13.89	31.30
40	4.47	5.77	6.81	10.27	15.02	33.63
50	4.25	6.00	7.08	10.65	15.56	34.72
100	4.64	6.72	7.80	11.91	17.11	39.04
200	5.19	7.42	8.71	12.95	18.17	41.11
1000	6.08	9.05	11.56	15.55	22.39	44.71
10000	7.46	11.34	13.16	19.15	27.42	59.01
100000	14.30	20.37	24.20	35.89	52.37	110.11

MEAN	2.070	2.734	3.248	5.094	7.596	18.414
CLOCK HR. COR.	1.140	1.170	1.040	1.010	1.010	1.010
CALCULATED SKEW	.984	1.680	2.225	1.834	.388	.683
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	4.004	6.674	9.500	3.375	2.490	2.598
N	25	26	26	26	26	21
RECORD YEAR	1963	1963	1963	1956	1956	1956
RECORD MAXIMUM	3.360	6.360	8.970	10.510	13.740	32.740
NORMALIZED MAX	2.010	2.854	3.457	2.357	2.143	2.303
CALC. COEF. VAR	.326	.465	.510	.451	.390	.338
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1102	.1485	.1764	.2765	.4125	1.0000
RP10/A	.1697	.2333	.2775	.4255	.6296	1.4446
RP25/A	.2039	.2865	.3392	.5138	.7543	1.6999
RP50/A	.2287	.3259	.3845	.5783	.8648	1.8853
RP100/A	.2529	.3640	.4396	.6488	.9330	2.0681
RP1000/A	.3361	.4913	.5734	.8446	1.2158	2.6452
RP10000/A	.4052	.6157	.7112	1.0241	1.4881	3.2044
RP100000/A	.7765	1.1611	1.3143	1.9449	2.4041	5.9880

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP WNG LAT HWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB 2070 02 015 61W M 37.860 121.974 CODE  
E40 5915 0 MT DIABLO NORTH GATE 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	50	100	200	F YR
2	2.61	3.30	3.83	5.49	8.54	21.81	
5	3.67	4.86	5.54	8.32	11.44	29.05	
10	4.38	5.92	6.72	9.47	14.23	33.84	
20	5.66	7.95	7.85	11.55	16.36	48.44	
25	5.70	7.98	7.89	11.59	16.40	48.54	
40	7.70	7.99	9.96	14.07	16.42	42.83	
50	9.91	8.28	9.31	13.55	19.07	44.21	
100	11.53	9.26	10.39	15.13	21.08	48.45	
200	7.1	11.24	11.45	17.40	23.62	52.61	
1000	14.53	12.48	13.88	19.79	27.45	62.04	
10000	104.47	15.63	17.30	24.42	33.61	75.15	
PMP	20.00	24.99	31.92	45.67	64.21	140.74	

MEAN	2.847	3.770	4.271	6.483	9.312	23.452
CLOCK HR. COR.	1.140	1.770	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.400	1.414	1.655	1.781	1.619	1.555
REGIONAL SKEW	1.310	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.310	1.600	1.500	1.400	1.300	1.300

KURTOSIS	4.411	4.425	5.543	3.144	2.049	2.510
N	21	21	21	21	21	21
RECORD YEAR	1967	1963	1963	1956	1956	1958
RECORD MAXIMUM	6.020	7.560	16.010	14.333	15.110	39.190
NORMALIZED VAR	1.710	1.695	2.552	1.611	1.600	2.072
CALC. COEF. VAR	.446	.444	.526	.413	.348	.412
REGN. COEF. VAR	.433	.430	.430	.403	.393	.332
USED COEF. VAR	.433	.430	.430	.403	.393	.332

MEAN/A	1.214	1.608	1.821	2.764	3.971	1.000
HPI/A	1.666	1.759	1.496	4.253	1.011	1.000
HP25/A	2.746	3.107	1.592	2.123	2.761	1.000
HP50/A	2.519	3.529	1.970	5.778	8.132	1.000
RP100/A	2.745	3.949	4.430	6.609	8.942	2.0661
RP1000/A	3.329	5.520	5.920	8.640	11.700	2.6452
RP10000/A	4.663	6.666	7.376	11.414	14.332	3.2044
PMP/A	8.553	14.976	14.569	14.474	27.178	5.9800

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP WNG LAT HWM LATITUDE LONGITUDE COUNTY  
ASN ORDER SUB 2070 02 015 61W M 37.133 122.200 CODE  
E40 6135 0 OAKLAND NWS 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	50	80	100	150	200	300	600	3650
2	1.98	2.45	2.85	3.11	3.38	3.59	4.06	4.53	5.43	6.07	7.24
5	2.40	3.55	4.12	4.47	4.83	5.12	6.33	7.56	8.42	10.91	14.77
10	3.34	4.33	5.00	5.39	5.79	6.14	6.78	7.47	8.88	9.89	11.73
20	3.85	5.06	5.84	6.26	6.77	7.10	7.78	8.52	10.09	11.23	13.30
25	4.11	5.31	5.11	5.56	5.97	7.40	8.39	8.84	10.49	11.64	13.77
40	4.81	5.66	6.66	7.11	7.58	8.13	8.24	9.51	11.22	12.88	14.77
50	4.50	6.04	6.93	7.38	7.86	8.11	9.03	9.82	11.57	12.87	15.23
100	4.97	6.76	7.73	8.20	8.71	9.21	9.93	10.76	12.65	14.05	16.62
200	5.44	7.44	8.52	9.01	9.53	10.19	10.80	11.68	13.67	15.20	17.96
1000	6.50	9.11	10.33	10.80	11.42	12.04	12.78	13.71	15.96	17.73	20.34
10000	7.97	11.42	12.87	13.44	14.05	14.84	15.49	16.50	19.08	21.18	24.39
PMP	15.27	20.51	23.67	25.28	27.05	28.57	31.33	34.19	40.60	45.03	52.99

MEAN	2.148	2.754	3.178	3.442	3.706	3.938	4.382	4.853	5.775	6.447	7.685
CLOCK HR. COR.	1.140	1.770	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.134	1.172	1.391	1.027	.996	.916	.625	.651	.245	.317	.391
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.100	1.000	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.000	1.000	.900	.900	.900	.500

KURTOSIS	4.293	5.135	6.873	3.424	4.490	4.184	3.482	3.755	2.887	3.283	3.014
N	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1963	1899	1963	1953	1963	1963	1936	1899	1899	1911	1911
RECORD MAXIMUM	6.450	6.230	8.240	8.530	8.530	8.560	8.880	11.280	11.560	14.150	16.070
NORMALIZED VAR	2.700	3.050	3.751	3.593	3.277	2.947	2.592	3.281	2.613	3.100	2.740
CALC. COEF. VAR	.403	.414	.425	.412	.397	.394	.396	.404	.383	.385	.396
REGN. COEF. VAR	.413	.430	.430	.423	.420	.417	.410	.404	.402	.399	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.394

HPI/A	.1057	.1342	.1549	.1617	.1806	.1919	.2136	.2365	.2615	.3142	.3745
HP25/A	.1627	.2107	.2436	.2655	.2662	.2740	.3110	.4321	.4331	.4320	.5716
HP50/A	.1507	.1848	.1857	.1857	.1857	.1857	.1867	.3404	.4312	.5664	.9932
RP50/A	.2192	.2946	.3375	.3597	.3597	.4054	.4784	.5641	.6274	.7422	.10930
RP100/A	.2424	.3297	.3766	.3993	.4242	.4490	.4839	.5246	.6151	.6849	.1780
RP1000/A	.3167	.4441	.5036	.5292	.5565	.5886	.6227	.6684	.7780	.8643	.10204
RP10000/A	.3884	.5565	.6272	.6549	.6943	.7234	.7551	.8043	.9297	.1.0324	.1.2178
PMF/A	.7444	.9988	1.1537	1.2320	1.3184	1.3925	1.5269	1.6662	1.9787	>1947	2.5824

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME  
ASN ORDER SUB E40 651 1 UHINOA FILTERS 370 33 01N 03E M 37.893 122-240 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	3.49	4.57	5.18	5.56	6.07	6.96	7.62	8.42	9.35	11.22	15.95	30.13
5	4.17	5.77	6.61	7.44	7.94	8.60	9.65	10.65	11.72	12.94	15.51	22.00	39.30
10	4.98	7.03	8.61	9.97	9.53	10.31	11.45	12.56	13.77	15.24	18.19	25.68	46.60
20	5.74	8.25	9.37	11.43	11.93	11.92	13.13	14.33	15.65	17.30	20.61	29.02	49.24
25	5.48	6.63	7.11	8.88	11.50	12.43	13.65	14.87	16.22	17.93	21.36	30.04	50.64
40	6.47	9.44	10.68	11.84	12.46	13.46	13.90	15.90	17.44	19.23	22.49	32.12	53.47
50	5.77	9.48	11.10	12.29	12.93	13.29	15.25	16.51	17.85	19.43	23.16	33.00	54.66
100	7.41	11.59	13.10	13.66	13.13	13.47	14.47	16.09	18.09	19.60	21.45	31.76	51.99
200	8.11	12.15	13.66	15.00	15.69	16.94	18.29	19.63	21.20	23.41	27.63	36.78	62.27
1000	9.69	14.61	16.55	17.87	17.97	20.28	21.55	23.05	24.75	27.32	32.45	44.96	70.20
10000	11.68	18.55	20.63	22.37	23.11	24.93	26.13	27.74	29.56	32.64	38.73	53.29	80.59
PMP	22.77	33.32	37.45	42.04	44.53	47.99	52.84	57.47	62.95	69.37	82.13	116.26	185.31

MEAN	3.232	4.472	5.094	5.728	6.094	6.615	7.390	8.157	8.955	9.932	11.912	14.825	30.988
CLOCK HR. CUR.	1.140	1.771	1.040	1.020	1.010	1.000	1.000	1.030	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.617	2.249	2.466	2.336	2.077	1.748	1.684	1.455	.887	.721	.445	.440	.333
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500

KURTOSIS	6.426	16.425	16.393	16.663	16.639	7.031	5.473	3.766	3.230	2.662	2.139	2.353	2.110
N	35	35	35	31	31	31	31	31	31	31	31	31	35
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1966	1956	1956	1958
RECORD MAXIMUM	6.620	12.070	17.110	16.080	16.190	18.190	18.190	18.190	18.460	16.800	22.480	29.060	50.290
NORMALIZED MAX	2.754	3.634	4.339	3.878	3.622	3.306	2.968	2.656	2.359	2.026	2.192	1.920	1.937
CALC. COEF. VAR	.381	.667	.544	.556	.547	.529	.492	.463	.451	.441	.405	.379	.322
REGN. COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.393	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1043	.1443	.1644	.1449	.1968	.2135	.2385	.2623	.2837	.3205	.3444	.10000	
RP10/A	.1066	.2266	.2566	.2894	.3075	.3327	.3696	.4054	.4445	.4917	.5867	.6289	1.4393
RP25/A	.1129	.2765	.3160	.3512	.3711	.4011	.4404	.4799	.5355	.5746	.6943	.9963	1.6342
RP50/A	.2164	.3824	.4148	.4384	.4584	.4815	.5125	.5522	.6020	.6409	.7123	.8164	1.6747
RP100/A	.2323	.3564	.3998	.4167	.4523	.4993	.5584	.5894	.6323	.6591	.7813	.8713	1.6917
RP1000/A	.3120	.4776	.5343	.5833	.6165	.6544	.7065	.7439	.7847	.8181	.9123	.9510	2.7652
RP10000/A	.3934	.5985	.6657	.7218	.7457	.7845	.8432	.8952	.9455	.1.0531	.1.2499	.1.7198	2.6007
RPm/A	.7348	1.0752	1.2246	1.3576	1.4949	1.5497	1.7050	1.8945	2.0315	2.2387	2.6504	3.7519	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME  
ASN ORDER SUB E40 651 0 PINHOLE CREEK 215 385 M 37.972 122-241 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.04	2.61	3.10	3.41	3.67	4.03	4.54	4.91	5.66	6.00	7.35	10.72	19.58
5	2.93	4.49	4.49	4.80	5.05	5.74	6.40	6.86	7.41	8.33	10.92	16.78	25.54
10	3.49	4.60	5.44	5.41	6.30	6.88	7.60	8.09	9.25	9.78	11.92	17.26	28.98
20	4.03	5.40	6.33	6.87	7.29	7.94	8.71	9.23	10.51	11.11	13.51	19.52	37.00
25	4.21	5.65	6.65	7.17	7.60	8.29	9.05	9.58	11.59	11.51	14.00	20.27	39.91
40	4.55	6.13	7.26	7.80	8.24	8.99	9.22	10.33	11.69	12.35	15.01	21.59	34.74
50	4.71	6.43	7.50	8.09	8.54	9.32	10.10	10.64	12.05	12.73	14.24	22.15	35.58
100	5.20	7.19	8.91	9.49	10.34	11.31	12.16	13.16	14.66	15.62	18.86	24.19	41.58
200	5.69	7.95	9.28	9.88	10.37	11.31	12.08	12.64	14.23	15.03	18.24	26.07	40.46
1000	6.80	9.69	11.24	11.90	12.42	13.53	14.29	14.85	16.62	17.54	21.27	30.22	45.61
10000	8.34	12.14	14.91	14.73	15.27	16.63	17.33	17.87	19.86	20.25	25.39	35.82	52.37
PMP	15.94	21.81	25.77	27.71	29.42	32.02	35.05	37.12	42.27	44.54	53.83	78.15	120.41

MEAN	2.268	2.828	3.459	3.773	4.030	4.410	4.902	5.255	6.013	6.377	7.408	11.309	20.136
CLOCK HR. CUR.	1.140	1.770	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.363	1.976	2.322	1.840	1.749	1.463	1.262	1.234	.779	.726	.5655	.8400	.667
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500

KURTOSIS	4.918	6.866	9.773	6.693	5.945	4.984	4.744	4.647	3.203	3.011	2.832	3.188	2.456
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1956	1956	1956	1940	1958
RECORD MAXIMUM	3.970	6.820	9.930	10.370	10.370	11.440	11.800	12.300	12.610	14.470	21.740	34.210	
NORMALIZED MAX	1.989	2.709	3.420	3.151	2.819	2.562	2.723	2.757	2.425	2.253	2.304	2.274	1.912
CALC. COEF. VAR	.377	.491	.547	.555	.558	.531	.490	.452	.431	.434	.370	.406	.366
REGN. COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1126	.1454	.1718	.1874	.2001	.2192	.2434	.2610	.2986	.3167	.3878	.5617	1.0000
RP10/A	.1744	.2285	.2703	.2933	.3127	.3416	.3737	.4019	.4594	.4859	.5919	.8574	1.4393
RP25/A	.2083	.2806	.3303	.3560	.3774	.4119	.4496	.4758	.5410	.5718	.6953	1.0027	1.6342
RP50/A	.2337	.3192	.3745	.4018	.4243	.4629	.5014	.5283	.5985	.6324	.7630	1.1045	1.7527
RP100/A	.2564	.3546	.4144	.4626	.4801	.5127	.5514	.5912	.6367	.6705	.7684	1.2040	1.9017
RP1000/A	.4141	.6129	.6958	.7316	.7613	.8022	.8607	.8875	.9864	.1.0407	1.2069	1.7790	2.6007
RPm/A	.7930	1.0332	1.2800	1.3762	1.4610	1.5903	1.7405	1.8385	2.0994	2.2122	2.6735	3.8810	5.9800

PERSONALITY III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HGT LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB PORT CHICAGO N A D 50 024 01W M 38°01' 122°01' CODE  
E40 7070 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=HOURS H=MINUTES

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	1.55	1.99	2.35	3.84	5.41	14.34
5	2.27	2.68	3.40	5.42	8.12	19.10
10	2.62	3.51	4.13	6.49	9.67	22.27
20	3.17	4.12	4.74	7.42	11.22	27.27
25	3.15	4.31	5.04	7.54	11.61	26.21
40	3.41	4.71	5.50	8.51	12.53	28.14
50	3.53	4.49	5.72	8.82	12.97	24.07
100	3.91	5.43	6.38	9.78	14.33	31.65
200	4.27	6.06	7.03	11.73	15.60	34.59
1000	5.11	7.39	8.52	12.89	18.67	40.74
10000	6.47b	9.28	11.62	15.93	22.86	49.49
MPH	12.00	16.63	19.54	26.73	43.68	92.70

MEAN	1.703	2.232	2.622	4.221	6.335	15.417
CLOCK HR. COR.	1.140	1.170	1.190	1.010	1.011	1.000
CALCULATED SKEW	1.124	2.000	2.577	.465	.277	.1817
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	5.723	12.502	12.644	2.662	1.479	2.991
N	26	26	26	26	26	26
RECORD YEAR	1963	1963	1963	1963	1964	1958
RECORD MAXIMUM	3.210	6.71	7.00	6.00	10.25	28.44
NORMALIZED MAX	2.420	3.479	3.759	c.139	1.642	2.996
CALC. COEF. VAR	.366	.493	.532	.426	.376	.371
REGN. COEF. VAR	*4.03	*4.30	*4.30	*4.03	*3.93	*3.32
USED COEF. VAR	*4.03	*4.30	*4.30	*4.03	*3.93	*3.32

MEAN/A	*1.05	*1.448	*1.701	*2.738	*4.010	1.0000
HPI10/A	*1.710	*2.75	*2.676	*2.912	*5.271	1.4446
HPI25/A	*2.043	*2.794	*3.270	*3.085	*7.513	1.6999
HPI50/A	*2.292	*3.178	*3.707	*5.723	*9.15	1.8853
HPI100/A	*2.935	*3.557	*4.137	*6.347	*9.294	2.0661
RP1100/A	*3.311	*4.792	*5.529	*8.359	*1.2111	2.6452
RP1000/A	*4.061	*6.06	*6.889	*1.0313	*1.4830	3.2944
RP/H/A	*7.784	1.1786	1.2672	1.9286	2.4331	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HGT LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB PORT RICHMOND 50 024 01W M 37°43' 122°35' CODE  
E40 7414 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=HOURS H=MINUTES

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.24	2.80	3.26	5.43	8.31	20.96
5	3.16	4.06	4.71	7.66	11.62	27.91
10	3.77	4.93	5.71	9.41	13.83	32.55
20	4.26	5.56	6.67	11.63	15.14	36.3
25	4.53	6.07	6.98	11.09	15.57	32.30
40	4.99	6.64	7.61	12.03	17.92	41.15
50	5.08	6.90	7.91	12.48	18.55	42.48
100	5.61	7.73	8.83	13.84	20.49	46.55
200	6.15	8.54	9.73	15.18	22.39	50.54
1000	7.30	10.47	11.89	16.22	26.70	59.60
10000	8.99	13.04	14.70	22.40	32.7	72.20
MPH	17.24	23.43	27.04	42.05	62.47	134.73

MEAN	2.447	3.145	3.630	5.960	8.060	22.531
CLOCK HR. COR.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	*4.94	1.168	*963	*388	*195	*.76
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	4.102	*4.398	5.005	3.022	*2.941	*2.652
N	23	23	23	23	23	23
RECORD YEAR	1970	1963	1963	1956	1951	1958
RECORD MAXIMUM	3.000	5.760	6.880	10.30	14.00	36.30
NORMALIZED MAX	1.300	2.299	2.623	2.236	1.601	7.147
CALC. COEF. VAR	*315	*345	*336	*357	*372	*347
REGN. COEF. VAR	*4.03	*4.30	*4.30	*4.03	*3.93	*3.32
USED COEF. VAR	*4.03	*4.30	*4.30	*4.03	*3.93	*3.32

MEAN/A	*1.05	*1.06	*1.611	*2.649	*4.021	1.0000
HPI10/A	*1.572	*2.193	*2.855	*4.076	*8.137	1.4446
HPI25/A	*2.009	*2.694	*3.097	*4.929	*7.953	1.6999
HPI50/A	*2.225	*3.064	*3.511	*5.537	*8.035	1.8853
RP1100/A	*2.492	*3.249	*3.918	*6.141	*9.096	2.0661
RP1000/A	*3.295	*4.619	*5.236	*8.088	*1.1853	2.6452
RP10000/A	*3.992	*5.788	*6.524	*9.979	*1.4514	3.2944
RP/H/A	*7.651	1.10399	1.2002	1.6662	2.7726	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TYP RNG LDT HMM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB E40 7414 1 RICHMOND CORP YARD 25 M 37°9'55" 122°35'9" COVE 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS

RETURN PERIOD IN YEARS	1D	20	30	100	300	F YR
2	2.37	3.20	3.50	5.63	9.15	20.96
5	1.36	4.64	5.06	7.99	11.40	27.44
10	3.99	5.65	6.14	9.44	13.57	32.52
20	4.66	6.87	7.41	11.62	15.29	36.90
25	4.79	6.94	7.50	11.61	15.29	37.77
40	5.19	7.59	8.18	12.49	17.54	41.12
50	5.37	7.90	8.40	12.95	18.21	42.46
100	5.94	8.81	9.48	16.37	20.11	46.52
200	6.55	9.77	10.46	16.76	21.97	50.51
1000	7.76	11.91	12.67	19.92	25.23	59.55
10000	9.52	14.92	15.79	23.35	32.09	72.14
FPM	18.25	26.81	29.05	43.66	61.29	134.63

MEAN	2.591	3.597	3.699	6.197	8.891	25.514
CLOCK HR. CUE.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.736	1.174	1.270	.964	.734	.686
REGIONAL SKEW	1.360	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.360	1.600	1.500	1.400	1.300	1.300

KUNTOIS	3.145	3.699	4.475	4.233	4.014	28.808
N	20	21	20	20	20	20
RECORD YEAR	1967	1963	1963	1956	1256	1958
RECORD MAXIMUM	3.948	6.072	7.440	12.430	17.840	35.920
NORMALIZED MAX	1.559	1.824	2.011	2.277	2.529	2.811
CALC. COEF. VAR	.438	.401	.391	.398	.365	.353
REGN. COEF. VAR	.403	.431	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1151	.1598	.1732	.2753	.3946	1.0000
NP10/A	.1712	.2511	.2725	.4245	.5920	1.4446
NP25/A	.2128	.3194	.3401	.5013	.7221	1.4499
RP50/A	.2387	.3504	.3775	.6754	.9098	1.8853
RP100/A	.2640	.3925	.4212	.8382	.9931	2.0061
RP1000/A	.3449	.5298	.5630	.8405	1.1630	2.6652
RP10000/A	.4230	.6626	.7015	1.370	1.4252	3.2044
PHM/A	.8107	1.1904	1.2904	1.4933	2.7224	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC TYP RNG LDT HMM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB E40 7872 12 SAN PAHLO PATROL HOUSE 335 M 37°9'05" 122°21'7" COVE 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS

RETURN PERIOD IN YEARS	1D	20	30	100	300	F YR
2	2.89	3.66	4.31	7.31	10.72	27.15
5	4.18	5.30	6.23	10.32	14.99	36.16
10	4.86	6.45	7.55	12.37	17.84	42.17
20	5.61	7.57	8.83	14.35	20.43	47.84
25	5.64	7.52	8.93	14.38	21.40	47.62
40	6.33	8.66	10.07	16.20	24.12	53.31
50	6.55	9.01	10.47	16.40	23.93	55.03
100	7.25	11.00	11.68	18.63	26.64	60.31
200	7.93	11.15	12.87	20.44	28.89	65.48
1000	9.47	13.54	15.61	24.54	34.45	77.22
10000	11.61	17.02	19.45	36.28	42.14	93.54
FPM	22.26	33.58	35.77	56.82	60.58	174.56

MEAN	3.159	4.104	4.802	8.037	11.687	29.191
CLOCK HR. CUE.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.116	.960	.237	.530	.344	.665
REGIONAL SKEW	1.360	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.360	1.600	1.500	1.400	1.300	1.300

KUNTOIS	4.349	4.669	4.286	2.730	1.962	2.410
N	21	21	21	21	21	21
RECORD YEAR	1967	1967	1967	1956	1956	1958
RECORD MAXIMUM	5.120	7.650	7.680	15.140	19.950	47.050
NORMALIZED MAX	1.937	2.962	1.818	2.154	1.640	1.938
CALC. COEF. VAR	.322	.355	.351	.410	.391	.378
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1082	.1406	.1645	.2753	.4004	1.0000
NP10/A	.1666	.2209	.2598	.4236	.6111	1.4446
NP25/A	.2162	.2714	.3183	.5114	.7321	1.4599
NP50/A	.2245	.3186	.3595	.5755	.8198	1.4953
RP100/A	.2483	.3454	.4001	.6393	.9956	2.0661
RP1000/A	.3244	.4653	.5347	.8407	1.1801	2.6652
RP10000/A	.3978	.5830	.6662	1.372	1.4451	3.2044
PHM/A	.7625	1.0475	1.2255	1.9397	2.7605	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB E40 9402 14 SAN PAUL RES 357 330 12 01N 124W M 37°49' 122°26' 07

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	2.40	3.33	4.04	4.22	4.91	5.33	6.05	6.89	7.46	8.42	9.28	13.78	25.91
5	3.67	4.85	5.05	5.49	7.02	7.50	9.53	9.61	10.38	11.70	13.85	19.00	33.80
10	4.16	5.91	7.09	7.43	9.62	9.10	10.12	11.37	12.19	13.73	15.00	22.19	34.35
20	5.15	6.93	8.29	9.10	9.75	10.53	11.60	12.95	13.85	15.59	18.14	25.07	42.34
25	5.76	7.26	8.67	9.50	10.15	10.97	12.06	13.46	14.36	16.16	18.60	25.95	41.55
40	5.49	7.74	9.45	10.34	11.02	11.90	12.29	14.47	15.40	17.33	20.15	27.75	45.98
50	5.99	8.26	9.82	11.73	11.45	12.33	13.45	14.94	15.47	17.87	20.78	26.58	47.09
100	6.49	9.62	12.46	13.80	12.82	13.94	14.40	17.71	19.35	19.51	22.65	31.71	50.14
200	7.13	11.21	12.08	13.11	14.57	14.96	16.10	17.76	18.77	21.00	24.50	31.51	53.55
400	10.95	15.61	18.25	19.53	20.42	22.01	23.09	25.11	26.18	29.41	34.09	46.04	69.30
1000	20.02	28.02	33.54	36.76	39.45	42.36	45.69	52.00	55.73	62.52	72.30	100.44	159.35
PMP													

MEAN	2.462	3.761	4.507	5.002	5.493	5.839	6.531	7.381	7.927	8.951	14.486	14.535	26.647
CLOCK HR. COK.	1.14n	1.17n	1.04n	1.02n	1.11n	1.07n	1.09n	1.00n	1.00n	1.00n	1.00n	1.00n	1.00n
CALCULATED SKEW	1.22n	1.64n	2.03n	1.93n	1.07n	1.19n	1.07n	1.07n	1.07n	1.07n	1.07n	1.07n	1.07n
REGIONAL SKEW	1.30n	1.40n	1.50n	1.49n	1.03n	1.30n	1.40n	1.00n	1.00n	1.00n	1.00n	1.00n	1.00n
SKEW USED	1.30n	1.40n	1.50n	1.49n	1.03n	1.30n	1.40n	1.00n	1.00n	1.00n	1.00n	1.00n	1.00n

KURTOSIS	3.75n	5.92n	4.00n	5.70n	4.74n	4.28n	3.69n	2.52n	3.00n	2.14n	1.92n	3.80n	2.43n
N	21	21	21	17	17	17	17	21	17	21	17	21	21
RECORD TEAM	1963	1961	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	4.30n	4.30n	10.90n	11.00n	11.44n	11.70n	13.11n	13.86n	14.76n	15.35n	17.15n	25.36n	44.52n
NORMALIZED MAX	1.54n	2.57n	3.17n	2.63n	2.28n	2.16n	2.31n	2.14n	2.18n	1.85n	1.75n	2.10n	2.01n
CALC. COEF. VAR	.332	.44n	.447	.46n	.492	.46n	.436	.409	.395	.386	.383	.354	.332
REGN. COEF. VAR	.403	.43n	.430	.423	.42n	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.43n	.430	.423	.42n	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.06n	1.41n	1.99n	1.67n	2.02n	2.21n	2.95n	.277	.2975	.3359	.3935	.5455	1.0000
HP10/4	1.162	2.21n	2.66n	2.93n	3.16n	3.16n	3.79n	.426n	.457n	.5154	.6006	.8327	1.4393
HP25/4	1.173	2.72n	3.25n	3.56n	3.91n	4.11n	4.52n	.505n	.538n	.6065	.7057	.9738	1.6342
HP50/4	2.213	3.94n	3.687	4.02n	4.29n	4.69n	5.54n	.5607	.5962	.6707	.7798	1.0727	1.7672
RP10/4													
RP100/4A													
RP1000/4A													
RP10000/4A													
PM2/4	1.753	1.4515	1.2601	1.3797	1.4767	1.5898	1.7523	1.9513	2.0713	2.3464	2.7132	3.7693	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB E40 9185 0 UPPER SAN LEANDRO RES 360 490 39 025 026 M 37°47' 122°11' 07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.12	2.46	3.37	4.60	6.53	15.01
5	3.67	4.29	4.94	6.19	9.13	16.98
10	4.16	5.22	5.92	7.74	10.86	23.30
20	4.50	6.12	6.92	9.01	12.50	26.44
25	4.69	6.41	7.23	9.39	13.01	27.42
40	5.08	7.01	7.89	10.20	14.07	29.46
50	5.26	7.29	8.20	10.57	14.57	30.41
100	5.82	9.16	9.15	11.72	16.49	33.33
200	6.36	9.26	9.04	12.80	17.59	36.19
400	7.61n	11.49n	10.42n	15.44n	20.47	42.47
1000	9.12	13.77	15.24	19.75	25.55d	51.69
PMP	17.66	24.75	28.03	35.63	47.96	94.47

MEAN	2.535	3.322	3.763	5.057	7.115	16.132
CLOCK HR. COK.	1.17n	1.70n	1.64n	1.01n	1.01n	1.00n
CALCULATED SKEW	3.120	3.111	3.366	1.702	4.03	.294
REGIONAL SKEW	3.100	1.60n	1.50n	1.41n	1.30n	1.30n
SKEW USED	1.300	1.40n	1.50n	1.40n	1.30n	1.30n

KURTOSIS	15.73n	15.063	17.179	7.595	2.106	2.109
N	30	30	30	30	30	30
RECORD YEAR	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	7.040	11.190	13.163	13.720	35.670	
NORMALIZED MAX	3.613	3.050	4.265	3.568	1.961	1.846
CALC. COEF. VAR	.492	.592	.585	.483	.473	.656
REGN. COEF. VAR	.403	.430	.430	.403	.403	.332
USED COEF. VAR	.403	.43n	.430	.430	.403	.332

MEAN	1.571	2.059	2.332	3.135	4.910	1.0000
HP10/4	.2419	.3236	.3670	.4424	.6731	1.44446
HP25/4	.2966	.3974	.4485	.5823	.8064	1.4999
HP50/4	.3260	.4520	.5084	.6553	.9032	1.8853
RP10/4	.3605	.5159	.5673	.7240	.9765	2.0651
RP100/4	.4049	.6707	.7142	.8492	.9757	2.5549
RP1000/4	.5776	.8538	.9446	1.1810	1.8519	3.2044
PM2/4	1.1070	1.5343	1.7376	2.2059	3.14409	5.9400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT REPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELFV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN DRRH SUB E40 9423 4	WALNUT CREEK & FSE	125	36	01N	02W	M	37°48'3	122°07'3	07	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	10D	30D	F YR
2	2.20	2.89	3.49	5.16	7.85	18.46
5	3.69	4.18	4.85	7.29	11.01	24.61
10	3.69	5.09	5.88	8.74	14.10	24.70
20	6.26	5.97	6.88	10.11	15.74	32.57
25	6.44	6.25	7.19	10.55	15.70	33.78
50	6.49	6.84	7.43	11.49	16.88	36.29
50	6.49	7.11	8.18	11.17	17.00	37.46
100	8.20	7.94	8.09	13.16	14.42	41.15
200	8.02	8.80	10.03	14.46	21.26	44.57
1000	7.14	11.72	12.15	17.34	25.30	52.56
FPM	8.82	13.43	15.14	21.39	30.94	63.47
	16.96	24.13	27.86	41.00	54.19	118.82

MEAN	3.239	3.739	5.678	8.345	19.876
CLOCK HR. COEF.	1.140	1.170	1.040	1.010	1.000
CALCULATED SKEW	1.011	1.007	1.049	1.004	1.043
REGIONAL SKEW	1.400	1.600	1.500	1.400	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300

KURTOSIS	4.214	5.581	7.179	9.471	3.104	2.694
N	47	47	47	46	46	60
RECORD YEAR	1916	1963	1,163	1956	1956	1958
RECORD MAXIMUM	4,550	7,850	10,430	13,600	17,320	36,210
NORMALIZED MAX	2,360	3,193	3,698	3,286	2,557	2,396
CALC. COEF. VAR	.380	.446	.482	.414	.394	.345
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1207	.1630	.1882	.2857	.4321	1.0000
HW10/A	.1459	.2562	.2961	.4397	.6594	1.4446
HW25/A	.2233	.3545	.3818	.5316	.7700	1.6999
HW50/A	.2514	.3571	.3813	.5403	.7943	1.6463
RP100/A	.2771	.4105	.4577	.6425	.9773	2.6661
RP1000/A	.3614	.5395	.6117	.8725	1.2735	2.6457
RP10000/A	.4438	.6760	.7622	1.7765	1.5599	3.2044
PME/A	.8555	1.2145	1.4020	2.0131	2.4791	5.9880

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELFV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN DRRH SUB E40 9423 1	WALNUT CREEK PUMPING PLT	125	36	01N	02W	M	37°42'3	122°07'3	07	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	10D	30D	F YR
2	2.31	3.01	3.49	5.18	7.62	18.97
5	3.75	4.36	5.05	7.32	10.66	25.14
10	3.88	5.32	6.13	8.77	14.68	29.31
20	4.47	6.24	7.16	10.10	14.54	33.24
25	4.66	6.53	7.49	11.59	15.19	34.50
50	5.05	7.14	8.14	11.50	16.33	37.76
50	5.23	7.43	8.40	11.72	17.00	38.16
100	5.78	8.31	9.47	13.22	16.79	41.92
200	6.32	9.19	10.44	14.50	20.54	45.52
1000	7.55	11.19	12.66	17.41	24.44	53.68
10000	9.26	14.03	15.77	21.48	29.99	65.02
FPM	17.75	25.20	29.01	40.17	57.28	121.35

MEAN	3.362	3.893	5.702	8.302	20.292
CLOCK HR. COEF.	1.140	1.170	1.040	1.010	1.000
CALCULATED SKEW	1.423	1.693	1.684	1.006	*.292
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300

KURTOSIS	5.326	6.947	7.107	4.301	2.747	2.098
N	35	35	35	35	35	35
RECORD YEAR	1970	1963	1963	1956	1956	1958
RECORD MAXIMUM	4,970	8,710	10,840	12,870	10,780	34,420
NORMALIZED MAX	2,404	3,229	3,447	2,867	2,586	2,061
CALC. COEF. VAR	.405	.488	.518	.438	.394	.338
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	.1242	.1667	.1919	.2810	.4094	1.0000
HW10/A	.1912	.2619	.3019	.4324	.6264	1.4446
HW25/A	.2504	.3217	.3482	.5220	.7466	1.6999
HW50/A	.2576	.3159	.4182	.5420	.7389	1.6863
RP100/A	.2448	*.095	*.6666	.6515	.4264	2.0661
RP1000/A	.3721	.5516	.6237	.8580	1.2064	2.6652
RP10000/A	.4564	.6412	.7771	1.0587	1.4778	3.2044
PME/A	.8747	1.2418	1.4244	1.9798	2.8230	5.9800

PRECIPITATION TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 \*MERR N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	FLEV	SEC	T+H	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB		245	3h	01N	02W	M	37°48'3	122°03'3	07	
E40 9476 0	WALNUT CREEK 2 ENF									

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (H-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1D	2D	3D	10D	30D	100D	300D	F YR
2	2.18	2.77	3.19	4.49	7.49	16.32		
5	3.48	4.02	4.61	7.75	10.48	21.74		
10	3.67	4.69	5.59	8.44	12.47	25.35		
20	4.23	5.74	6.53	9.77	14.35	26.76		
25	4.61	6.00	6.83	10.49	14.94	29.43		
40	4.78	5.87	7.48	11.49	16.16	32.45		
50	4.95	6.43	7.74	11.47	16.73	33.19		
100	5.67	7.65	9.68	12.92	18.48	36.26		
200	5.94	8.45	9.52	13.49	20.21	39.37		
1000	7.15	11.30	11.54	16.75	24.08	46.42		
10000	8.77	12.91	14.33	21.67	29.49	56.26		
PMPE	16.80	23.19	26.46	34.65	46.34	114.95		

MEAN	2.345	3.113	3.551	5.496	A+170	17.550		
CLOCK MR. COR.	1.140	1.170	1.049	1.010	1.010	1.000		
CALCULATED SKW	1.152	1.458	1.009	.7672	*.259	.576		
REGIONAL SKW	1.300	1.000	1.500	1.400	1.300	1.300		
SKW USED	1.300	1.000	1.500	1.400	1.300	1.300		

KURTOSIS	4.252	5.547	6.029	3.657	2.292	2.674		
N	25	25	25	25	25	25		
RECORD YEAR	1963	1963	1963	1956	1946	1958		
RECORD MAXIMUM	4.700	7.370	9.370	11.580	15.160	32.110		
NORMALIZED MAX	2.012	2.666	3.077	2.593	2.133	2.267		
CALC. COEF. VAN	.482	.513	.432	.437	.401	.363		
REGN. COEF. VAN	.493	.431	.430	.433	.383	.332		
USED COEF. VAN	.473	.430	.430	.433	.493	.332		

MEAN/A	.1359	.1774	.2024	.3126	.4056	1.0000		
HPI/A	.2092	.2704	.3184	.4110	.7100	1.0000		
HP10/A	.2514	.3224	.3624	.4592	.7500	1.0000		
HP50/A	.3912	.3494	.4411	.6515	.9535	1.0000		
RP100/A	.3117	.4358	.4822	.7242	1.1731	2.0661		
RP1000/A	.4071	.5671	.6578	.9545	1.3723	2.6459		
RP10000/A	.4995	.7356	.8195	1.1777	1.6804	3.2044		
PMPE/A	.9574	1.4216	1.5076	2.2024	3.2101	6.9800		

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	FLEV	SEC	T+H	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB		191	800	32	015	01E	E	37°48'.2	121°08'.1	43
E50 68 0	ALAMO CREEK									

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (H-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1D	2D	3D	10D	30D	100D	300D	600D	3650D
2	1.76	2.27	2.61	2.93	3.24	3.43	3.90	4.24	4.98
5	2.46	3.24	3.82	4.20	4.63	4.99	5.50	6.93	7.54
10	2.97	4.01	4.56	5.05	5.76	6.86	7.53	9.04	12.91
20	3.42	4.71	5.42	5.86	6.63	7.77	8.65	10.25	15.07
25	3.45	4.93	5.67	6.14	6.71	7.84	8.35	9.99	15.30
40	3.66	5.49	6.19	6.68	7.28	7.92	8.96	10.29	11.17
50	3.89	5.61	6.42	7.19	7.84	8.54	9.67	10.62	11.52
100	4.42	6.27	7.17	7.71	8.36	8.79	10.16	11.59	12.57
200	4.83	6.93	7.90	8.47	9.15	9.63	10.38	11.07	12.54
1000	5.77	8.45	9.56	10.20	10.96	11.52	12.24	12.91	14.64
10000	7.08	11.59	11.99	12.63	14.49	14.16	14.89	15.58	17.50
PMPE	13.57	19.02	21.96	23.75	25.97	27.26	30.10	32.27	37.24

MEAN	1.926	2.553	2.947	3.233	3.558	3.758	4.210	4.581	5.297	5.767	6.942	9.873	17.630
CLOCK MR. COR.	1.1410	1.70	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.542	1.666	1.609	1.094	.972	821	.763	.667	.521	.498	.761	.583	.98
REGIONAL SKW	1.300	1.000	1.500	1.400	1.300	1.000	1.000	.900	.900	.900	.900	.900	.500
SKW USED	1.300	1.000	1.500	1.400	1.300	1.000	1.000	.900	.900	.900	.900	.900	.500

KURTOSIS	6.521	6.841	6.726	4.863	4.746	4.100	4.809	4.275	2.821	2.678	2.952	2.350	2.447
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	4.000	5.700	7.050	7.000	6.300	6.340	6.930	13.320	10.570	10.800	13.010	12.710	30.090
NORMALIZED MAX	2.976	3.149	3.399	3.031	3.328	3.046	3.145	3.377	2.413	2.263	2.389	2.292	2.162
CALC. COEF. VAN	.362	.391	.411	.394	.401	.400	.394	.377	.367	.389	.394	.390	.327
REGN. COEF. VAN	.463	.430	.430	.423	.427	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.403	.430	.430	.423	.427	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1093	.1468	.1672	.1834	.2019	.2132	.2388	.2598	.3004	.3271	.3938	.5600	1.0000
HPI/A	.1062	.2276	.2910	.3152	.3385	.3701	.4004	.4522	.5019	.6010	.8549	1.4393	
HP10/A	.1010	.2510	.3211	.3485	.3902	.4441	.4737	.5442	.5906	.7062	.9199	1.6342	
HP50/A	.2257	.3179	.3644	.3933	.4278	.4502	.4919	.5260	.6022	.6532	.7804	1.1012	.17672
RP100/A	.2506	.3459	.4066	.4372	.4739	.4968	.5411	.5763	.6576	.7131	.8519	1.1779	.8917
RP1000/A	.3274	.4792	.5434	.5878	.6218	.6537	.6964	.7342	.8304	.9499	.1.0729	.14965	2.2525
RP10000/A	.4016	.6005	.6770	.7161	.7648	.8036	.8444	.8835	.9894	.1.0749	.1.2884	.1.7738	2.0067
RP100000/A	.7697	1.0788	1.2454	1.3471	1.5465	1.7076	1.8304	2.0121	2.2850	2.7152	3.8896	5.9896	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
MSN ORDER SUG ESO 146 0 ALTAMONT 104 675 20 025 03F L M 37°7'6.2 121°7'7.9 69

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.35	1.67	1.89	2.08	2.25	2.37	2.66	2.94	3.52	3.62	4.62	6.92	12.46
5	1.90	2.47	2.74	2.99	3.22	3.37	3.76	4.11	4.90	5.20	6.38	9.54	16.26
10	2.27	2.94	3.32	3.60	3.96	4.04	4.46	4.85	5.76	6.23	7.44	11.14	18.45
20	2.62	3.45	3.88	4.19	4.47	4.68	5.11	5.53	6.54	7.07	8.48	12.58	20.37
25	2.73	3.62	4.06	4.17	4.66	4.88	5.31	5.77	6.79	7.33	8.79	13.03	20.35
40	2.95	3.95	4.43	4.75	5.05	5.29	5.41	6.18	7.29	7.46	9.42	13.93	22.12
50	3.16	4.11	4.60	4.93	5.24	5.48	5.92	6.70	7.51	8.10	9.72	14.35	22.55
100	3.46	4.68	5.14	5.49	5.80	6.07	6.52	7.32	8.20	8.45	10.60	15.61	24.25
200	3.70	5.09	5.56	5.93	6.30	6.65	7.00	7.56	8.46	8.76	11.36	16.82	25.76
400	4.42	6.20	6.87	7.20	7.61	7.96	8.29	9.05	10.35	11.6	13.36	19.50	29.04
1000	5.42	7.77	8.55	9.08	9.36	9.78	10.17	10.71	12.37	13.13	15.94	23.11	31.86
PMP	10.34	13.96	15.74	16.90	18.03	18.83	20.57	22.19	26.33	28.74	33.80	50.42	74.65

MEAN HR. CUM.	1.476	1.473	2.112	<3.01	2.770	2.506	2.076	3.18n	3.74n	4.058	4.903	7.597	12.418
CLOCK HR. CUM.	1.140	1.170	1.440	1.620	1.61n	1.610	1.600	1.600	1.600	1.600	1.600	1.600	1.600
CALCULATED SKW	1.086	1.799	1.636	1.251	1.162	1.111	1.763	<6.77	<7.68	<8.14	1.132	.857	.265
REGIONAL SKW	1.310	1.600	1.590	1.420	1.304	1.300	1.100	<1.00	<.900	<.900	.900	.800	.500
SKW USED	1.310	1.600	1.590	1.420	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KUNTOSIS	7.570	8.74	5.443	4.320	4.048	4.195	3.086	3.106	2.960	3.002	3.930	2.976	2.621
'N	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44
RECORD YEAR	1919	1919	1919	1919	1919	1919	1919	1954	1954	1952	1951	1951	1952
RECORD MAXIMUM	3.470	4.490	4.900	4.900	4.950	5.300	5.600	5.810	6.520	7.240	9.810	13.430	21.420
NORMALIZED MAX	2.471	2.490	2.985	2.753	2.595	2.744	2.573	2.506	2.236	2.277	2.685	2.347	2.439
CALC. COEF. VAR	.472	.667	.442	.410	.389	.374	.368	.334	.331	.344	.373	.370	.275
REGN. COEF. VAR	.403	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.394	.332
USED COEF. VAR	.403	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.394	.332

MEAN/A	1.150	1.461	1.648	1.722	1.727	2.025	.224	.245	.292	.3165	.3825	.5693	1.0000
RPM10/A	1.170	.2297	.2592	.2810	.3019	.3155	.3478	.3785	.4495	.4957	.5837	.8690	1.4393
RPM25/A	.2127	.2221	.3168	.3411	.3633	.3805	.4145	.4481	.5294	.5715	.6859	1.0163	1.6342
RPM50/A	.2366	.3208	.3591	.3859	.4045	.4276	.4422	.4975	.5857	.6321	.7580	1.1195	1.7672
RPM100/A	.2638	.3307	.4007	.4279	.4525	.4736	.5084	.5451	.6397	.6901	.8270	1.2177	.8917
RPM200/A	.3644	.4236	.5295	.5664	.5937	.6209	.6564	.6945	.8077	.8708	1.0421	1.5213	2.2652
RPM500/A	.4227	.6161	.6673	.7189	.7390	.7611	.7934	.8357	.9653	1.0402	1.2436	1.8032	2.6007
RPM1000/A	.9101	1.1887	1.2726	1.3185	1.40162	1.4490	1.5044	1.7314	2.0544	2.2112	2.6372	3.9337	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
MSN ORDER SUG ESO 319 2 ARROYO HOCHE 105 2700 34 055 -146 G M 37°45.8 121°51.7 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.76	1.85	2.00	2.17	2.30	2.46	2.70	2.98	3.49	3.88	4.58	6.90	12.40
5	2.48	2.69	2.90	3.11	3.42	3.51	3.80	4.17	4.85	5.19	6.33	9.51	16.17
10	2.98	3.22	3.52	3.75	3.95	4.12	4.42	4.82	5.76	6.24	7.44	11.17	20.35
20	3.42	3.84	4.11	4.30	4.57	4.76	5.07	5.38	6.21	6.71	7.82	12.55	26.99
25	3.55	4.02	4.30	4.55	4.76	5.07	5.38	5.62	6.47	6.99	8.09	12.99	20.83
40	3.84	4.41	4.79	5.17	5.46	5.74	6.05	6.41	7.19	8.11	12.55	20.99	33.06
50	4.05	4.39	4.69	4.95	5.17	5.50	5.84	6.26	7.20	7.99	9.35	13.89	21.99
100	4.41	5.11	5.43	5.71	5.93	6.31	6.60	7.08	8.11	9.00	10.51	14.30	22.53
200	4.83	5.65	5.99	6.27	6.50	6.91	7.18	7.68	8.77	9.73	11.36	16.77	25.62
400	5.77	7.26	7.55	7.78	8.07	8.29	8.56	9.02	10.42	11.35	13.25	19.11	28.88
1000	7.07	8.63	9.05	9.35	9.74	10.47	11.30	11.81	12.24	12.84	15.25	23.04	33.15
PMP	1.956	15.50	16.95	17.68	18.44	19.57	20.82	22.49	26.05	28.83	33.53	50.26	76.23

MEAN	1.724	2.081	2.234	2.393	2.526	2.698	2.912	3.197	3.706	4.127	4.863	7.274	12.747
CLOCK HR. CUM.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.956	1.572	1.416	1.467	1.190	1.309	.974	1.042	.862	.956	1.097	.776	.343
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KUNTOSIS	3.775	5.330	4.965	4.714	5.529	6.646	5.041	3.974	3.628	4.250	3.094	2.796	
'N	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	
RECORD YEAR	1945	1919	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	
RECORD MAXIMUM	3.955	4.640	5.670	5.640	6.640	6.640	7.640	7.640	8.100	10.300	14.600	21.100	
NORMALIZED MAX	2.327	2.623	2.615	3.000	2.942	2.932	3.130	3.377	2.990	2.884	2.653	2.247	
CALC. COEF. VAR	.452	.505	.458	.456	.423	.405	.364	.383	.352	.369	.388	.378	.311
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1510	.1632	.1753	.1878	.2116	.2295	.2504	.2907	.3238	.3815	.5706	1.0000	
RPM10/A	.2324	.2665	.2758	.2937	.3097	.3298	.3551	.3857	.4472	.4967	.5822	.8711	1.4393
RPM25/A	.2792	.3151	.3370	.3567	.3737	.3977	.4220	.4566	.5266	.5845	.6841	.1018	1.6342
RPM50/A	.3132	.3584	.3820	.4026	.4202	.4476	.4705	.5070	.5827	.6464	.7561	.1122	1.7672
RPM100/A	.3463	.4011	.4283	.4476	.4655	.4950	.5176	.5555	.6364	.7058	.8246	.12206	1.8917
RPM200/A	.4525	.5049	.5367	.5924	.6107	.6649	.6563	.7077	.8036	.8906	.10392	.15249	2.2652
RPM500/A	.5549	.6769	.7098	.7331	.7597	.7977	.8078	.8516	.9603	.10538	.12405	.18075	2.6007
RPM1000/A	1.0936	1.2162	1.3058	1.3791	1.4668	1.5355	1.6334	1.7640	2.0430	2.2614	2.6303	3.9431	5.9800

## PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
ASN ORDER SUB  
E50 692 0 HENKELLY

ELEV SEC TMP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE

249 815 03W M 37°50' 122°25' 00

## MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.24	2.60	3.26	3.60	3.94	4.30	4.90	5.34	6.36	7.03	8.25	12.14	23.23
5	3.21	4.06	4.71	5.16	5.62	6.12	6.91	7.66	8.86	9.77	11.41	16.74	30.30
10	3.84	4.95	5.72	6.23	6.75	7.34	8.20	8.81	10.41	11.47	13.36	19.55	34.39
20	4.42	5.81	6.68	7.24	7.81	8.49	9.40	10.3	11.2	13.02	15.7	22.86	37.96
25	4.47	6.17	7.09	7.56	8.16	8.86	9.66	10.5	11.26	13.01	15.7	22.86	37.96
40	4.99	6.46	7.62	8.24	8.94	9.66	10.5	11.26	13.01	15.7	16.85	24.45	41.22
50	5.17	6.81	7.92	8.53	9.15	9.86	10.8	11.57	13.56	14.93	17.37	25.18	42.22
100	5.71	7.73	9.46	9.43	10.19	11.02	11.9	12.57	14.31	16.33	18.95	27.39	45.19
200	6.29	9.55	10.74	11.42	11.11	12.07	13.04	13.75	16.10	17.62	20.44	29.52	48.01
1000	7.47	11.42	11.81	12.55	13.31	14.45	16.15	18.71	20.57	23.81	24.22	54.12	
10000	9.19	13.05	14.72	15.53	16.36	17.76	19.43	22.35	24.57	28.50	40.56	62.13	
PMP	17.55	23.45	27.07	28.21	31.45	34.18	37.82	40.45	47.57	52.24	64.43	84.68	142.87

MEAN	2.691	3.148	3.634	3.977	4.318	4.712	5.289	5.715	6.767	7.476	8.765	12.804	23.891
CLOCK HR. COR.	1.140	1.70	1.940	1.020	1.010	1.010	1.000	1.001	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.496	1.03	.638	.533	.440	.359	.154	.440	.213	.238	.589	.591	.284
REGIONAL SKW	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500

KUMTOSIS	3.663	3.859	3.007	3.039	2.851	2.766	2.265	2.957	2.237	2.333	2.404	2.781	2.547
N	.87	.87	.67	.67	.87	.87	.87	.87	.87	.87	.87	.87	.86
RECORD YEAR	1924	1949	1899	1949	1956	1956	1946	1949	1894	1911	1911	1911	1890
RECORD MAXIMUM	4.753	6.00	7.250	7.720	8.011	8.100	9.490	11.86	12.35	14.50	16.34	25.21	44.950
NORMALIZED MAX	2.494	2.445	2.705	2.726	2.716	2.744	2.510	2.83	2.50	2.561	2.61	2.79	2.624
CALC. COEF. VAR	.377	.234	.368	.370	.349	.344	.246	.374	.375	.367	.374	.394	.312
REGN. COEF. VAR	.403	.430	.430	.424	.281	.417	.400	.403	.402	.399	.493	.394	.332
USED COEF. VAR	.403	.430	.430	.424	.281	.417	.400	.403	.402	.399	.493	.394	.332

MEAN/A	1.943	1.319	1.521	1.665	1.507	1.972	2.214	2.30	2.932	3.129	3.669	5.980	1.0000
HPI10/A	1.695	2.27	2.373	2.710	2.60	2.80	3.13	3.41	3.93	4.27	4.59	5.13	1.493
HPI50/A	1.100	1.40	1.25	1.25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
HPS50/A	1.763	2.492	3.315	3.573	3.932	4.156	4.590	4.641	5.677	6.248	7.271	10.539	1.7672
RPI10/A	2.192	2.327	3.049	3.168	3.245	3.645	4.613	5.051	5.304	6.200	6.822	7.733	1.1664
RPI100/A	3.125	4.300	4.944	4.252	5.569	6.645	6.750	7.029	8.000	9.995	1.4322	2.6262	
RPI1000/A	3.943	4.646	4.160	4.493	5.084	5.743	7.827	9.132	9.356	1.0282	1.1929	2.6007	
PMP/A	7.346	9.816	11.332	12.226	13.194	14.430	14.828	16.847	19.912	21.458	2.5296	3.7034	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
ASN ORDER SUB  
E50 1281 0 CALVERAS PES

ELEV SEC TMP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE

408 815 24 055 01F N 37°48' 121°81' K0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.23	2.51	2.652	3.13	3.443	3.70	4.34	4.86	5.76	6.31	7.35	11.19	20.48
5	2.72	3.62	4.18	4.49	4.84	5.28	6.11	6.79	8.02	8.76	10.17	15.43	26.72
10	3.25	4.41	4.95	5.42	5.87	6.33	7.26	8.01	9.42	10.28	11.91	18.02	31.32
20	3.75	5.17	5.78	6.30	6.80	7.32	8.32	9.14	10.73	11.67	13.51	20.36	33.47
25	3.91	5.42	6.05	6.57	7.09	7.63	8.65	9.48	11.09	12.10	14.00	21.08	34.42
40	4.23	5.92	6.60	7.15	7.69	8.28	9.31	10.21	12.02	13.00	15.00	22.00	35.64
50	4.38	6.12	6.80	7.32	7.79	8.37	9.36	10.31	12.27	13.19	15.47	23.22	
100	4.49	6.29	6.85	7.25	8.83	9.43	10.40	11.54	13.40	14.61	16.98	25.26	39.85
200	5.31	7.62	9.43	9.36	9.47	10.40	11.54	12.51	14.43	15.80	18.24	27.22	42.33
1000	6.33	9.29	10.23	10.92	11.58	12.85	13.65	14.70	16.92	18.44	21.27	31.55	47.71
10000	7.76	11.54	12.74	13.51	14.24	15.30	16.55	17.69	20.22	22.03	25.38	37.40	54.78
PMP	14.88	21.90	23.44	25.42	27.43	29.66	33.47	36.64	43.04	46.93	53.82	81.59	125.96

MEAN	2.112	2.046	3.144	3.460	3.75H	4.061	4.681	5.201	6.123	6.704	7.800	11.807	21.064
CLOCK HR. COR.	1.140	1.70	1.940	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.296	1.99	.918	.777	.777	.571	.271	.324	-0.119	.423	.205	-0.150	.180
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.900	.500

KUMTOSIS	6.26N	4.63N	4.72N	4.315	3.202	2.937	2.240	2.514	2.484	3.105	2.710	2.260	2.141
N	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	3.900	5.120	5.690	5.200	4.251	6.450	7.399	8.51	9.330	11.320	12.010	17.480	32.020
NORMALIZED MAX	2.474	2.275	2.440	2.319	2.273	2.098	1.947	1.771	1.709	2.291	1.874	1.632	1.779
CALC. COEF. VAR	.362	.363	.325	.295	.292	.290	.297	.323	.306	.301	.286	.227	.292
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.401	.401	.402	.399	.393	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.403	.402	.399	.393	.332

MEAN/A	.1002	.1332	.1493	.1643	.1784	.1928	.2227	.2469	.2907	.3183	.3706	.5605	1.0000
HPI10/A	.1543	.2350	.2572	.2787	.3024	.3494	.3903	.4105	.4576	.5746	.6460	.10007	1.4932
HPS25/A	.1854	.2571	.262	.3121	.3364	.3673	.4105	.4576	.5262	.6355	.7344	1.1023	.7572
RP10/A	.2008	.2424	.2555	.256	.272	.4059	.5035	.5477	.6363	.6938	.7013	1.1990	.18917
RP100/A	.3104	.4408	.4554	.5183	.5497	.5912	.6681	.6978	.8034	.8755	1.0097	1.4979	2.6252
RP1000/A	.3595	.5526	.6048	.6415	.6759	.7266	.7858	.8397	.9601	1.0457	1.2050	.27756	2.6007
PMP/A	.7062	.9926	1.1126	1.2056	1.3024	1.3987	1.5891	1.7393	2.0433	2.4553	3.8733	5.9800	

STATION NO.  
BSN ORDER SUB  
ESG 7387 0

STATION NAME  
GENERIC RANCH

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

ELFV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
172 2140 36 005 04E P M 37.637 121.466 \*3

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.10	2.75	3.09	3.35	3.62	3.86	4.30	4.80	5.43	6.00	7.01	10.21	17.29
5	2.96	3.94	4.47	4.31	5.17	5.88	6.06	6.54	7.56	8.34	9.69	14.07	22.55
10	3.53	4.85	5.42	5.81	6.21	6.56	7.20	7.71	8.88	9.79	11.35	16.44	25.59
20	4.07	5.69	6.33	6.75	7.18	7.59	8.25	8.80	10.09	11.11	12.67	18.57	28.26
25	4.74	5.95	6.62	7.25	7.49	7.97	8.58	9.13	10.44	11.52	13.34	19.22	29.06
40	4.47	6.51	7.62	7.96	8.38	8.81	9.58	10.24	12.20	13.54	15.74	20.55	30.46
50	4.76	7.51	7.51	7.95	8.42	8.94	9.64	10.41	11.77	12.74	14.74	21.71	31.43
60	4.76	7.51	7.51	7.95	8.42	8.94	9.64	10.41	11.77	12.74	14.74	21.71	31.43
100	5.26	7.58	8.38	8.33	9.33	9.85	10.59	11.11	12.64	13.91	16.09	23.03	31.64
200	5.76	8.36	9.23	9.71	10.22	10.79	11.45	12.05	13.67	15.04	17.38	24.82	35.74
1000	6.48	11.21	11.19	11.70	12.24	12.99	13.54	14.15	15.96	17.55	20.27	26.77	40.28
10000	8.43	12.79	13.95	14.46	15.05	15.88	16.42	17.03	19.06	20.97	24.19	34.10	46.25
PMP	14.16	22.98	25.66	27.24	29.00	30.56	33.20	35.24	40.60	44.57	51.30	74.39	106.34

MEAN	2.294	3.485	3.444	3.708	3.973	4.213	4.643	5.004	5.775	6.380	7.440	10.766	17.783
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.445	1.953	1.682	1.352	1.171	1.161	.999	.855	.768	.653	1.010	.663	.760
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USE0	1.300	1.600	1.500	1.300	1.300	1.100	1.000	.900	.900	.900	.900	.800	.500

KURTOSIS	5.888	7.230	5.299	5.003	4.459	5.237	4.397	3.725	3.205	3.423	3.739	2.744	2.990
N	61	61	61	61	61	61	61	61	61	60	60	60	61
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1951	1915	1915	1967
RECORDED MAX	5.500	8.310	11.900	9.240	9.790	11.500	11.290	11.550	12.350	13.190	15.130	20.740	32.620
NORMALIZED MAX	3.028	3.325	3.323	3.280	3.467	3.663	3.493	3.254	2.822	2.615	2.626	2.419	2.429
CALC. COEF. VAR	.440	.510	.493	.455	.422	.413	.410	.401	.403	.408	.394	.383	.344
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1290	.1735	.1937	.2085	.2234	.2389	.2611	.2810	.3248	.3588	.4184	.6054	1.0000
RH10/A	.1947	.2726	.3047	.3265	.3494	.3692	.4057	.4338	.4966	.5595	.6385	.9242	.4393
RH25/A	.2536	.3409	.3742	.3942	.4242	.4542	.4942	.5235	.5835	.6502	.7502	.1.009	.1.6342
RH50/A	.2677	.3808	.4221	.4472	.4730	.5043	.5374	.5729	.6249	.6809	.7164	.1.1940	.1.7172
RPI100/A	.2960	.4262	.4710	.4971	.5247	.5541	.5915	.6247	.7109	.7822	.8064	.9295	.1.8917
RPI1000/A	.5807	.5741	.6295	.6500	.6884	.7244	.7614	.7959	.8876	.9870	.1.1398	.1.6171	.2.2652
RPI10000/A	.4743	.7193	.7843	.8143	.8465	.8892	.9232	.9578	.1.0727	.1.1790	.1.3603	.1.9177	.2.6007
PMP/A	.9090	1.2923	1.4428	1.5118	1.6309	1.7187	1.8669	1.9842	2.2831	2.5063	2.8840	4.1835	5.9800

STATION NO.  
BSN ORDER SUB  
ESG 4997 0

STATION NAME  
LIVERMORE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

ELFV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
86 545 20 035 02E M 37.650 121.783 60

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.52	1.93	2.16	2.34	2.53	2.72	3.04	3.32	3.69	4.31	5.12	7.48	13.75
5	2.15	2.79	3.12	3.37	3.62	3.88	4.24	4.65	5.41	5.99	7.07	10.31	17.93
10	2.56	3.40	3.79	4.05	4.34	4.65	5.04	5.48	6.38	7.03	8.29	12.04	20.35
20	2.95	3.99	4.43	4.72	5.02	5.37	5.82	6.25	7.22	7.99	9.40	13.60	22.46
25	3.04	4.18	4.63	4.92	5.24	5.60	6.05	6.49	7.49	8.28	10.08	14.08	23.10
40	3.33	4.57	5.05	5.36	5.68	6.08	6.17	6.98	8.03	8.88	10.44	15.06	24.39
50	3.45	4.75	5.22	5.56	5.91	6.31	6.51	7.21	8.96	9.65	10.51	15.21	25.90
100	3.89	5.32	5.82	6.18	6.52	6.97	7.42	7.90	9.05	10.00	11.74	16.87	26.74
400	4.17	5.88	6.45	6.79	7.15	7.64	8.08	8.56	9.78	10.81	12.69	18.18	24.41
1000	4.99	7.16	7.82	8.18	8.56	9.14	9.56	10.06	11.42	12.61	14.80	21.08	32.02
10000	6.11	8.97	9.75	10.12	10.52	11.24	11.59	12.11	13.65	15.07	17.66	24.98	36.77
PMP	11.72	16.12	17.93	19.04	20.27	21.63	23.43	25.08	29.05	32.03	37.45	54.50	84.54

MEAN	1.664	2.164	2.407	2.592	2.777	2.982	3.277	3.560	4.133	4.595	5.431	7.888	14.137
CLOCK HR. COR.	1.140	1.70	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.632	1.663	1.860	1.733	1.562	1.673	1.424	1.205	1.095	1.171	1.235	1.060	.454
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USE0	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	5.400	5.639	6.954	6.918	6.287	7.415	6.008	4.954	4.444	4.598	4.908	4.186	2.441
N	78	78	78	78	78	78	78	78	78	78	78	78	77
RECORD YEAR	1919	1919	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1952
RECORDED MAX	3.970	5.450	6.830	7.530	7.680	8.640	8.750	9.680	11.220	13.190	18.470	24.190	
NORMALIZED MAX	2.891	3.174	3.774	4.074	3.924	4.332	3.885	3.547	3.318	3.514	3.597	3.402	2.331
CALC. COEF. VAR	.480	.478	.487	.466	.450	.438	.439	.411	.405	.412	.397	.394	.305
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1177	.1531	.1703	.1834	.1965	.2109	.2318	.2518	.2923	.3244	.3842	.5579	1.0000
RH10/A	.1812	.2406	.2679	.2870	.3059	.3287	.3593	.3878	.4497	.4976	.5856	.6517	1.4393
RH25/A	.2177	.3274	.3743	.3963	.4363	.4591	.5262	.5604	.6150	.6570	.7000	.7501	1.6342
RH50/A	.2441	.3361	.3521	.3932	.4165	.4464	.4775	.5290	.5839	.6477	.7161	.8072	1.072
RPI100/A	.5699	.7361	.8141	.8711	.9411	.6414	.4933	.5252	.5585	.6391	.7071	.8307	1.1917
RPI1000/A	.5257	.5067	.5534	.5785	.6053	.6407	.6760	.7116	.8080	.8923	.1.0467	.1.4910	2.2652
RPI10000/A	.4325	.6349	.6986	.7159	.7443	.7949	.8196	.8563	.9656	1.0458	1.2492	1.7673	2.6007
RPMFA	.8290	1.1406	1.2685	1.3467	1.4341	1.5301	1.6574	1.7740	2.0552	2.2656	2.6490	3.6554	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB ES0 5933 0		STATION NAME MOUNT HAMILTON		ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	
				4206	075	73E	M	37.333	121.650	43			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.45	3.19	3.71	4.10	4.52	4.90	5.50	6.10	6.99	7.71	9.25	13.48	25.99
5	3.45	4.63	5.36	5.88	6.46	6.98	7.76	8.53	9.72	10.71	12.79	18.59	33.90
10	4.12	5.64	6.51	7.09	7.75	8.37	9.21	10.63	11.35	12.57	14.48	21.71	38.47
20	4.71	6.59	7.61	8.27	9.02	9.85	10.75	11.99	13.40	14.77	16.99	24.53	42.48
25	4.95	6.92	7.95	8.60	9.35	10.10	10.97	11.91	13.45	14.76	16.61	25.39	41.68
40	5.36	7.57	8.68	9.76	10.14	10.95	11.18	12.81	14.43	15.47	18.88	27.15	46.12
50	5.55	7.87	9.02	9.71	10.51	11.35	12.24	13.23	14.89	16.36	19.46	27.97	47.24
100	6.15	8.81	10.06	10.79	11.64	12.57	13.46	14.49	16.26	17.87	21.23	30.42	56.57
200	6.71	9.74	11.09	11.88	12.76	13.76	14.65	15.72	17.58	19.32	22.95	32.79	53.72
1000	8.02	11.87	13.45	14.29	15.28	16.47	17.32	18.57	20.53	22.54	26.78	38.01	66.55
10000	9.83	14.87	16.75	17.68	18.78	20.25	21.00	22.22	24.53	26.93	31.93	45.05	69.52
PMF	18.84	26.72	30.82	33.25	36.19	38.98	42.47	46.03	52.22	57.74	67.71	78.28	159.85

MEAN	2.675	3.586	4.136	4.527	4.958	5.372	5.940	6.534	7.428	8.195	9.820	14.223	26.731
CLOCK HR. CDR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	2.526	2.428	2.767	2.835	2.932	3.165	3.490	4.153	3.713	3.217	2.583	1.224	.604
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.500	
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.500	
KUMTOSIS	11.511	10.998	14.651	15.667	15.764	21.366	26.632	29.255	25.515	20.678	14.728	5.250	4.081
RECORD YEAR	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
RECORD MAXIMUM	9.400	12.190	16.070	19.200	21.000	25.000	30.000	33.300	33.800	34.000	35.740	36.800	58.000
NORMALIZED MAX	4.196	4.611	5.300	5.620	5.659	6.250	6.766	6.946	6.705	6.316	5.744	3.829	3.697
CALC. COEF. VAH	.548	.553	.574	.577	.574	.606	.601	.590	.531	.504	.459	.401	.317
REGN. COEF. VAH	*.403	*.430	*.430	*.430	*.423	*.420	*.417	*.410	*.402	*.399	*.393	*.394	*.332
USED COEF. VAR	*.403	*.430	*.430	*.430	*.423	*.420	*.417	*.410	*.402	*.399	*.393	*.394	*.332
MEAN/A	1.001	1.842	1.547	1.694	1.055	2.010	2.222	2.444	.3779	.3666	.3674	.5321	1.0000
HPI/1/A	1.543	2.018	2.435	2.551	2.499	3.133	3.444	3.765	.4274	.4704	.5607	.8122	1.3393
RP25/A	1.151	2.569	.2975	3.218	3.497	3.777	4.104	4.456	.5033	.5535	.6580	.9499	1.4342
RP50/A	.2076	2.945	3.373	3.632	3.392	4.245	4.577	4.948	.5569	.6122	.7280	1.0463	1.7672
RP100/A	.2295	3.296	3.763	4.037	4.356	4.701	5.034	5.422	.6082	.6683	.7943	1.1381	1.8917
RP1000/A	.2999	4.440	5.030	5.344	5.715	6.163	6.680	6.908	.7680	.8433	1.0009	1.4219	2.2652
RP10000/A	.3678	5.563	6.267	6.613	7.027	7.574	7.857	8.312	.9176	1.0074	1.1945	1.6853	2.6007
PMF/A	.7049	.9994	1.1528	1.2440	1.3539	1.4581	1.5889	1.7220	1.9534	2.1415	2.5330	3.6766	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB ES0 7526 0		STATION NAME ROCKY RIDGE		ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	
				111	1250	09	045	02E	H	M	37.601	121.750	43
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.65	2.08	2.38	2.59	2.79	2.96	3.25	3.63	4.39	4.77	5.72	8.00	15.36
5	2.33	3.01	3.44	3.72	3.98	4.21	4.54	5.07	6.11	6.62	7.91	11.59	20.03
10	2.78	3.66	4.17	4.49	4.79	5.05	5.35	5.85	6.53	7.14	7.78	9.42	22.23
20	3.21	4.19	4.68	5.21	5.53	5.85	6.20	6.82	7.46	8.20	9.15	13.51	25.10
30	3.34	4.51	5.10	5.54	5.97	6.44	6.97	7.60	8.46	9.15	10.89	15.43	25.81
40	3.32	4.92	5.57	6.25	6.61	6.60	7.62	9.07	9.81	11.67	14.93	27.25	
50	3.75	5.12	5.78	6.14	6.48	6.85	7.22	7.66	9.36	10.12	12.03	17.43	27.91
100	4.15	5.73	6.45	6.82	7.18	7.58	7.94	8.62	10.22	11.05	13.13	18.96	29.88
200	4.53	7.33	7.11	7.50	7.87	8.31	6.64	9.35	11.06	11.95	14.19	20.46	31.74
1000	5.47	7.72	8.63	9.03	9.42	9.34	10.22	10.95	12.91	13.94	16.55	23.69	35.78
10000	6.64	9.87	10.75	11.17	11.54	12.22	12.40	15.51	16.66	17.25	20.48	31.09	41.08
PMF	12.73	17.37	14.77	21.02	22.13	23.92	25.07	27.37	32.83	35.41	41.87	61.26	94.45
MEAN	1.807	2.332	2.654	2.662	3.058	3.243	3.506	3.885	4.670	5.069	6.073	8.865	15.795
CLOCK HR. CDR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	2.087	1.453	1.261	.992	.852	.628	.411	.409	.446	.394	.962	.728	.691
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	
KUMTOSIS	7.903	5.253	4.466	3.865	3.014	3.700	2.862	3.466	2.916	3.360	4.157	3.162	3.152
RECORD YEAR	1919	1919	1938	1938	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	5.000	5.650	5.000	6.000	6.000	6.000	6.000	6.000	7.200	8.320	11.520	16.170	27.430
NORMALIZED MAX	2.700	2.233	2.619	2.522	2.655	2.510	2.213	2.034	2.339	2.370	2.712	2.557	2.383
CALC. COEF. VAR	.445	.405	.425	.395	.371	.347	.331	.308	.334	.342	.331	.346	.309
REGN. COEF. VAR	*.403	*.430	*.430	*.423	*.420	*.417	*.410	*.403	*.402	*.399	*.393	*.394	*.332
USED COEF. VAR	*.403	*.430	*.430	*.423	*.420	*.417	*.410	*.403	*.402	*.399	*.393	*.394	*.332
MEAN/A	.1144	.1477	.1680	.1612	.1936	.2053	.2220	.2459	.2957	.3209	.3945	.5613	1.0000
RP10/A	.1782	.2320	.2433	.2366	.3025	.3109	.3440	.3768	.4548	.4924	.5568	.8568	1.4393
RP25/A	.2116	.2730	.3230	.3442	.3651	.3688	.4100	.4488	.5356	.5754	.6895	.10201	1.6342
RP50/A	.2374	.3243	.3662	.3885	.4105	.4334	.4572	.4979	.5926	.6408	.7619	1.1038	1.7672
RP100/A	.2625	.3628	.4084	.4319	.4548	.4802	.5029	.5455	.6472	.6996	.8133	1.2005	1.8917
RP1000/A	.3429	.4887	.5461	.5717	.5966	.6295	.6473	.6951	.8172	.8829	1.0475	.4999	2.2652
RP10000/A	.4206	.6123	.6804	.7074	.7336	.7737	.7843	.8364	.9766	1.0564	1.2501	.17779	2.6007
PMF/A	.8061	1.1000	1.2517	1.3308	1.4135	1.4894	1.5870	1.7327	2.0786	2.2418	2.6510	3.8785	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB E50 A130 V SHANTI ASHRAMA 110 2300 19 075 05E K M 37°31'0 121°47'0 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.93	2.98	3.48	3.80	4.11	4.35	4.82	5.20	6.22	6.79	7.67	11.30	19.36
5	3.14	4.32	5.03	4.46	5.47	4.65	6.80	7.27	8.66	9.43	10.89	15.58	25.26
10	3.75	5.22	6.10	4.30	7.05	7.43	4.07	4.57	10.17	11.07	12.76	18.20	28.66
20	4.33	6.17	7.13	7.65	8.16	8.60	9.25	9.78	11.55	12.56	14.47	20.56	31.64
25	4.51	6.46	7.46	7.99	8.51	8.46	9.61	10.15	11.94	13.02	14.99	21.28	32.54
40	4.88	7.05	8.13	8.67	9.23	9.72	9.79	10.91	12.85	13.97	16.07	22.76	34.36
50	5.06	7.35	8.45	9.02	9.56	10.07	11.70	11.27	13.25	14.41	16.07	23.44	35.19
100	5.48	8.20	9.31	10.12	10.90	11.15	11.75	12.00	13.44	15.73	18.00	25.50	37.67
200	6.47	9.49	11.00	11.91	12.51	12.72	13.29	13.49	15.89	17.10	19.53	27.08	39.02
1000	7.31	11.04	12.50	13.27	13.91	14.69	15.73	16.27	19.45	22.78	31.85	45.11	64.02
10000	8.96	13.88	15.70	16.82	17.09	17.97	18.40	18.93	21.84	23.71	27.19	37.76	51.79
PMP	17.17	24.93	28.69	30.89	32.04	34.60	37.21	39.21	46.48	50.39	57.64	82.37	119.08

MEAN	1.347	3.077	4.285	4.512	4.769	5.205	5.566	6.612	7.214	8.359	11.920	19.913
CLOCK MR.	1.140	1.76	1.040	1.920	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.334	1.555	1.240	1.575	1.673	1.755	1.392	1.364	1.439	1.314	1.521	1.791
REGIONAL SKW	1.300	1.05	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800
SKW USED	1.300	1.05	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.500

KURTOSIS	4.561	6.77	4.419	3.706	2.949	2.399	2.532	3.118	2.883	3.046	2.693	4.722
N	38	34	36	39	39	34	34	34	38	38	38	38
RECORD YR.	1938	1738	1838	1938	1938	1932	1932	1938	1938	1938	1938	1941
RECORD MAXIM	4.800	7.600	6.550	8.900	8.400	9.090	9.560	11.130	12.988	13.820	15.580	21.990
NORMALIZED MAX	2.251	2.752	2.648	2.569	2.740	2.123	2.233	2.650	2.470	2.357	2.149	3.025
CALC. COEF. VAN	.430	.462	.455	.435	.427	.394	.366	.364	.371	.366	.393	.337
REGN. COEF. VAN	.403	.438	.430	.423	.420	.417	.410	.403	.402	.399	.393	.332
USED COEF. VAN	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.332

MEAN/VAN	.1224	.1681	.1947	.2112	.2266	.2395	.2914	.2795	.3320	.3623	.4198	.5986	1.0000
RP10/4	.1885	.2461	.3063	.3310	.3540	.3732	.4551	.4303	.5107	.5558	.6407	.9138	.14393
RP25/4	.2264	.3244	.3744	.4012	.4272	.4500	.4827	.5093	.6014	.6541	.7528	.10586	.16342
RP50/4	.2540	.3690	.4244	.4528	.4803	.5058	.5384	.5659	.6564	.7234	.8319	.11771	.17767
RP100/4	.2800	.4129	.4735	.5039	.5321	.5501	.5921	.6200	.7267	.7888	.9077	.12864	.18917
RP1000/4	.3669	.5662	.6329	.6663	.6941	.7343	.7622	.7899	.9177	.9966	.11437	.15986	.22652
RP10000/4	.4500	.6670	.7885	.8245	.8594	.9024	.9241	.9505	.10465	.11944	.13669	.19486	.26007
RP10/4	.4674	1.2521	1.4506	1.5510	1.6540	1.7374	1.8688	1.9692	2.3341	2.5306	2.8945	4.1362	5.9600

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SFC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB E50 A785 V TASSAJARA CREEK 102 750 U3 025 01F H M 37°7'0 121°8'0 07

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.79	2.42	2.67	2.88	3.06	3.21	3.56	3.86	4.69	5.06	5.86	8.71	15.69
5	2.53	3.50	3.86	4.14	4.40	4.58	5.02	5.47	6.52	7.03	8.13	12.00	20.46
10	4.02	5.40	6.19	6.93	7.59	7.99	8.50	9.06	10.56	11.82	13.02	21.22	32.22
20	5.43	7.00	5.47	5.80	6.11	6.35	6.83	7.30	8.76	9.37	10.80	15.84	25.63
25	5.63	5.22	5.72	6.05	6.37	6.62	7.10	7.58	9.03	9.71	11.19	16.39	26.36
40	5.93	5.73	6.24	6.58	6.91	7.18	7.26	8.15	9.68	10.42	11.99	17.53	27.83
50	4.07	5.93	6.48	6.83	7.16	7.44	7.92	8.42	9.99	10.74	12.37	18.04	28.51
100	4.50	6.67	7.24	7.59	7.94	8.24	8.71	9.22	10.91	11.73	13.57	19.46	30.51
200	4.92	7.47	7.94	8.34	8.74	9.02	9.49	10.00	11.79	12.66	14.58	21.32	32.54
1000	5.48	9.98	10.67	10.85	10.41	10.60	11.27	11.77	13.80	14.00	16.54	24.56	36.54
10000	7.21	11.25	12.05	12.44	12.81	13.27	13.60	14.14	16.46	17.69	21.29	29.09	41.95
PMP	13.81	21.22	22.15	23.40	24.67	25.55	27.50	29.29	35.03	37.58	43.02	63.45	94.46

MEAN	1.961	2.714	2.975	3.166	3.380	3.452	3.847	4.157	4.982	5.381	6.240	9.183	16.131
CLOCK MR.	1.140	1.670	1.040	1.020	1.015	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.927	1.326	.944	1.263	1.115	1.042	1.106	1.029	.847	.848	.97	.585	.1010
REGIONAL SKW	1.300	1.600	1.500	1.470	1.300	1.300	1.100	1.000	.900	.900	.800	.500	.500
SKW USED	1.300	1.600	1.500	1.400	1.000	1.300	1.100	1.000	.900	.900	.800	.500	.500

KURTOSIS	3.074	4.668	3.564	4.574	4.075	4.044	4.903	4.203	3.468	3.389	3.761	2.666	2.639
N	38	38	38	195	465	195	195	195	195	195	195	195	195
RECORD YR.	1941	1946	1950	1954	1958	1960	1960	1960	1960	1960	1960	1960	1960
RECORD MAXIM	3.280	6.000	6.000	7.469	7.860	7.600	9.100	9.130	10.190	10.250	12.610	16.880	27.720
NORMALIZED MAX	1.769	2.661	2.403	3.081	2.849	2.993	3.229	2.749	2.645	2.309	2.724	2.265	2.264
CALC. COEF. VAN	.380	.455	.423	.476	.457	.426	.423	.425	.395	.392	.387	.370	.337
REGN. COEF. VAN	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAN	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/VAN	.1216	.1682	.1844	.1975	.2095	.2184	.2385	.2577	.3089	.3336	.3868	.5693	1.0000
RP10/4	.1572	.2664	.2902	.3074	.3274	.3403	.3596	.3969	.4751	.5118	.5959	.8690	1.4393
RP25/4	.2248	.3247	.3546	.3752	.3950	.4103	.4469	.5595	.6022	.6937	.10163	1.6342	
RP50/4	.2522	.3593	.4020	.4235	.4442	.4512	.4912	.5218	.6191	.6661	.7666	1.1195	1.7672
RP100/4	.2784	.4133	.4485	.4708	.4921	.5107	.5402	.5717	.6761	.7272	.8364	1.2177	1.8917
RP1000/4	.3643	.5567	.5995	.6231	.6456	.6696	.6954	.7284	.8537	.9176	1.0529	1.5213	2.2652
RP10000/4	.4488	.6976	.7469	.7711	.7938	.8229	.8431	.8764	.1.0202	.1.0961	.1.2578	1.8033	2.6007
RP10/4	.4564	1.2533	1.3740	1.4505	1.5295	1.5842	1.7050	1.8157	2.1714	2.7300	2.8672	3.9337	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TAP RNG LATITUDE LONGITUDE COUNTY  
850 OROPA SUB 20 TAOS JARA WOOD RANCH 520 N 37°48'3" 121°49'1" CO. 07  
E50 A765 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.14	5.72	3.09	5.14	7.41	14.14
5	5.47	12.02	4.48	7.95	10.36	29.16
10	10.00	4.79	5.43	6.69	12.33	29.17
20	4.16	5.63	6.35	10.06	14.19	71.96
25	4.33	5.67	5.66	11.49	14.77	33.15
40	4.49	6.44	7.24	11.39	15.91	44.51
50	4.46	6.46	7.42	11.51	15.94	36.77
100	4.37	7.50	4.39	13.13	10.27	44.29
200	4.37	6.29	4.25	14.36	14.96	34.75
1000	7.02	1.10	11.22	17.25	23.87	51.58
10000	8.61	12.65	13.98	21.23	29.15	62.49
RPH	16.49	22.73	25.71	34.80	55.89	116.02

MEAN	2.341	3.51	3.451	5.449	8.076	19.501
CLOCK HR. CON.	1.140	1.171	1.160	1.010	1.010	1.000
CALCULATED SKEW	1.497	1.141	1.313	0.928	0.918	0.595
REGIONAL SKEW	1.303	1.600	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300

KURTOSIS	5.004	4.293	5.473	1.677	1.651	2.645
N	21	21	21	21	21	21
RECORD YEAR	1963	1963	1963	1956	1956	1956
RECORD MAXIMUM	4.260	5.150	7.930	5.730	12.400	33.830
NORMALIZED MAX	1.394	2.322	2.698	1.521	1.502	2.047
CALC. COEF. VAR	.404	.437	.427	.359	.363	.350
REGN. COEF. VAR	.403	.430	.430	.403	.493	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332

MEAN/A	1.120	.1165	.1770	.2497	.4141	1.0000
HP10/A	.1142	.4559	.2784	.4457	.5321	1.4446
HP25/A	.2220	.3120	.3402	.3241	.7573	1.3993
HP50/A	.2491	.3435	.3704	.4152	.6014	1.4453
HP100/A	.2559	.3594	.3704	.4078	.7164	2.0011
HP1000/A	.3598	.5178	.5752	.6485	1.2007	2.6452
HP10000/A	.4412	.6488	.7167	1.0913	1.9488	3.2052
RPH/A	.4450	1.1555	1.3183	2.1409	2.9555	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TAP RNG LATITUDE LONGITUDE COUNTY  
850 OROPA SUB 20 ALMA COLLEGE 283 5100 M 37°14'0" 121°49'5" CO. 43  
E50 A721 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.14	5.30	6.16	4.81	7.91	8.75	9.46	10.89	12.10	14.16	20.07	33.97	
5	5.47	7.67	8.91	5.77	10.56	11.28	12.33	13.23	15.16	16.80	19.58	27.67	44.30
10	7.00	9.34	10.81	11.78	12.69	13.52	14.65	15.61	17.82	19.72	22.95	32.31	50.27
20	8.00	1.96	12.63	13.69	14.69	15.64	16.79	17.80	20.24	22.39	26.02	36.51	55.51
25	8.41	11.47	13.21	14.30	15.32	16.30	17.45	18.47	20.99	23.21	26.96	37.06	57.06
40	9.11	12.55	14.41	15.55	16.62	17.68	18.75	19.87	22.25	25.67	27.74	41.63	61.73
50	9.46	13.05	14.97	16.17	17.30	18.37	19.52	20.66	23.21	25.67	28.02	40.42	60.72
100	10.43	14.71	17.94	19.06	20.20	21.41	22.59	23.55	25.80	28.02	32.51	45.28	66.07
200	11.61	16.15	18.92	19.71	20.90	22.72	23.30	27.42	30.30	35.13	48.80	70.19	
1000	11.63	19.68	22.33	23.74	25.03	26.64	27.55	28.64	32.01	35.36	40.90	56.57	79.12
10000	16.72	24.65	27.82	29.34	32.70	33.91	34.46	38.26	42.24	48.80	67.05	99.46	
RPH	32.59	44.29	51.17	55.27	54.31	62.49	67.57	71.39	81.82	89.79	103.66	146.27	294.88

MEAN/A	4.568	5.645	6.469	7.525	8.124	8.676	9.450	10.133	11.582	12.855	15.035	21.169	34.929
CLOCK HR. CON.	1.140	1.70	1.040	1.020	1.110	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.542	1.257	1.148	.868	1.193	1.353	1.418	1.470	1.298	1.117	.880	.663	.517
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	3.468	5.496	5.050	3.493	5.226	5.375	6.055	7.204	5.194	4.552	4.125	2.996	3.168
N	55	55	55	55	55	55	55	55	55	55	55	55	55
RECORD YEAR	1956	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	8.100	14.10	16.390	16.520	21.900	26.980	27.820	28.29	30.040	31.400	34.290	41.810	64.750
NORMALIZED MAX	1.967	2.095	3.142	3.732	3.600	3.918	4.073	4.141	3.613	3.430	3.225	2.461	2.504
CALC. COEF. VAR	.397	.454	.441	.437	.471	.480	.477	.443	.441	.421	.397	.396	.341
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.393	.394	.332

MEAN/A	13.02	17.02	19.67	21.54	23.26	24.84	27.05	29.21	33.16	38.80	43.04	6.060	1.0000
HP10/A	.2005	.2675	.3074	.3372	.3634	.3871	.4193	.4468	.5100	.5646	.6559	.925	1.4393
HP25/A	.2408	.3295	.3761	.4093	.4385	.4667	.4997	.5269	.6005	.6644	.7749	1.0119	1.6342
HP50/A	.2701	.3736	.4296	.4620	.4931	.5244	.5573	.5873	.6464	.7039	.8530	1.1918	1.9172
HP100/A	.2920	.4484	.4843	.5203	.5633	.5953	.6229	.6434	.7258	.8023	.9307	1.2963	1.9197
HP1000/A	.3912	.5633	.6392	.7477	.7167	.7616	.7889	.8198	.9165	1.0124	1.1727	1.6195	2.0652
HP10000/A	.4768	.7588	.7964	.8412	.8812	.9361	.9566	.9865	1.0952	1.2093	1.3995	1.9196	2.5007
RPH	.9173	1.2680	1.6551	1.5824	1.67974	1.8020	1.9344	2.0437	2.3310	2.5707	2.9678	4.1877	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
HERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER S/N  
E60 125 V

STATION NAME  
ALMADEN RESERVOIR SCFC

ELEV SEC TWP RNG LAT MM LATITUDE LONGITUDE COUNTY CODE  
640 11 095 01W E M 37°16' 121°48'33" 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.02	5.27	5.96	6.42	7.02	7.49	8.16	8.72	9.85	10.77	12.50	18.01	29.28
5	5.67	7.64	8.87	9.21	10.03	10.67	11.51	12.18	13.71	14.96	17.37	24.84	38.19
10	6.77	9.30	10.45	11.11	12.03	12.79	13.56	14.37	16.11	17.55	20.36	29.01	53.34
20	7.41	10.24	11.22	11.84	12.66	13.46	14.16	14.92	16.54	17.92	20.47	29.22	49.85
25	8.13	11.42	12.78	13.44	14.52	15.34	16.19	17.01	18.57	20.47	23.92	33.92	49.91
40	8.81	12.49	13.94	14.66	15.75	16.73	16.54	18.31	20.35	22.18	25.64	36.28	51.95
50	9.12	12.99	14.48	15.21	16.33	17.34	19.15	18.89	20.99	22.86	26.44	37.37	52.21
100	10.74	14.93	15.16	15.91	16.97	19.20	19.97	20.7	22.92	24.95	29.84	40.65	56.96
200	11.43	16.07	17.42	17.58	21.03	21.73	22.45	24.79	26.98	31.17	43.80	66.51	
1000	13.14	19.55	21.80	22.39	23.73	25.17	25.70	26.37	28.94	31.49	36.35	50.70	68.21
10000	16.16	24.54	26.91	27.70	27.98	30.94	31.16	31.74	34.59	37.61	43.30	60.19	74.31
PHP	3.94	44.09	49.50	5.11	56.23	59.54	63.02	65.75	73.81	76.95	91.98	131.30	186.06

MEAN	4.397	5.918	6.465	7.045	7.703	8.219	8.814	9.332	10.471	11.447	13.340	19.002	30.111
CLOCK HR. COR.	1.140	1.70	1.040	1.20	1.410	1.010	1.020	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.911	1.603	1.405	1.102	1.134	1.335	1.323	1.182	1.170	1.047	.964	.508	.722
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.000	1.000	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.822	5.242	5.110	4.362	4.386	5.876	5.539	5.105	4.702	4.178	3.621	2.740	2.584
N	3.0	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
RECORD YEAR	1934	1963	1963	1954	1956	1956	1956	1956	1956	1956	1956	1938	1938
RECORD MAXIMUM	8.547	14.20	16.00	17.00	17.70	21.00	22.70	24.31	25.40	26.100	26.540	35.540	53.360
NORMALIZED MAX	2.12	2.40	2.94	2.34	2.77	3.13	3.43	3.44	2.77	2.60	2.12	1.00	1.00
CALC. COEF. VAR	4.26	.508	.506	4.01	4.76	4.78	4.84	4.47	4.67	.451	.421	.300	.398
REGN. COEF. VAR	4.13	.408	.430	4.23	4.21	4.17	4.10	4.07	4.07	.393	.393	.394	.332
USED COEF. VAR	4.23	.430	.430	4.23	4.21	4.17	4.10	4.03	4.02	.393	.393	.394	.332

MEAN/A	.1680	.1665	.2207	.2350	.2580	.2726	.2921	.3099	.3376	.3601	.4430	.5311	1.0000
HP/5A	.2208	.3388	.3727	.3829	.3947	.4048	.4156	.4274	.4349	.4562	.4822	.5933	.4473
HP/5A	.3771	.3739	.4243	.4477	.4423	.5123	.5464	.5651	.5744	.5795	.6266	.7162	.7362
HP/50/A	.3024	.4314	.4610	.4593	.4243	.5754	.6029	.6274	.6579	.6786	.7240	.8760	.1.2410
RP100/A	.3350	.4282	.5387	.5617	.5609	.6377	.6631	.6875	.7612	.8287	.9580	.1.3499	.1.8917
RP1000/A	.4376	.6504	.7173	.7435	.7042	.8360	.8536	.8759	.9612	.1.0457	.1.2071	.1.6864	.2.6252
RP1000/A	.5367	.8150	.8937	.9200	.9692	1.0276	1.0349	1.0594	1.1487	1.2491	1.4405	.1.9989	2.0007
PHP/A	1.0287	1.4641	1.6440	1.7307	1.8675	1.9779	2.0929	2.1835	2.4447	2.6553	3.0540	4.3606	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER S/N  
E60 167 0

STATION NAME  
ALVISO

ELEV SEC TWP RNG LAT MM LATITUDE LONGITUDE COUNTY CODE  
8 04 095 01W 5 37°53' 121°49' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.64	1.83	1.85	1.95	2.04	2.21	2.80	3.07	3.46	3.92	4.67	5.92	12.08	
5	2.31	2.66	2.68	2.80	2.92	3.16	3.94	4.29	4.82	5.44	5.46	9.54	15.76	
10	2.75	3.23	3.30	3.36	3.40	3.64	4.48	5.06	5.57	6.39	7.57	11.14	17.88	
20	3.14	3.60	3.86	3.93	3.93	4.05	4.38	5.30	5.77	6.33	7.25	8.56	12.53	
25	3.21	3.67	3.77	4.10	4.22	4.46	5.17	5.57	5.99	7.42	8.99	13.33	20.30	
40	3.58	4.34	4.33	4.46	4.48	4.58	4.95	5.36	6.44	7.15	8.06	9.53	13.93	21.43
50	3.71	4.52	4.80	4.64	4.75	5.13	6.22	6.65	7.38	8.32	9.83	14.35	21.95	
100	4.10	5.02	5.07	5.19	5.26	5.61	6.84	7.28	8.06	9.08	10.72	15.61	23.50	
200	4.49	5.59	5.53	5.63	5.76	6.22	7.44	7.91	8.71	9.82	11.59	16.82	24.96	
1000	5.34	6.81	6.71	6.81	6.90	7.44	8.80	9.28	10.47	11.46	13.51	19.50	24.14	
b.58	6.81	8.36	8.43	8.49	9.15	10.67	11.17	12.16	13.66	16.18	23.12	32.31		
PHP	12.61	15.34	15.38	15.85	16.35	17.61	21.56	23.13	25.87	29.09	34.19	50.43	74.28	

MEAN	1.789	2.158	2.004	2.158	2.240	2.428	3.018	3.283	3.680	4.164	4.955	7.299	12.422
CLOCK HR. COR.	1.140	1.70	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.778	.406	.173	-.040	-0.126	.191	.592	.804	.743	.889	.845	.757	.894
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.000	1.000	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	7.008	3.159	3.421	3.177	3.203	3.230	2.358	2.765	3.218	3.576	2.799	2.943	3.104
N	20	21	22	23	23	23	23	23	23	23	23	23	23
RECORD MAXIMUM	1.952	1.952	1.973	1.971	1.952	1.952	1.956	1.952	1.952	1.956	1.956	1.956	1.973
NORMALIZED MAX	3.540	3.540	4.000	4.070	4.130	4.690	4.870	5.560	5.590	7.740	8.600	13.300	22.560
CALC. COEF. VAR	2.426	1.613	1.400	1.609	1.674	1.804	1.822	2.047	2.051	1.950	1.974	2.175	
REGN. COEF. VAR	.403	.438	.499	.531	.516	.508	.537	.340	.325	.342	.376	.367	.375
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1440	.1457	.1451	.1737	.1803	.1954	.2438	.2643	.2963	.3352	.3992	.5876	1.0000
RP10/A	.2218	.2604	.2614	.2719	.2817	.3165	.3766	.4071	.4557	.5133	.6102	.8949	1.393
RP25/A	.2654	.3198	.3195	.3301	.3399	.3572	.4488	.4619	.5367	.6052	.7158	1.0490	1.3942
RP50/A	.2988	.3638	.3621	.3729	.3882	.4127	.5005	.5351	.5938	.7911	.8155	.8772	
RP100/A	.3304	.4071	.4041	.4141	.4239	.4571	.5505	.5863	.6485	.7308	.8631	1.2588	1.8917
RP1000/A	.4317	.5484	.5401	.5481	.5555	.5992	.7085	.7477	.8189	.9222	1.0876	1.5701	2.2652
PHP/A	.5295	.6872	.6729	.7373	.6831	.7363	.8591	.8989	.9786	1.1015	1.2979	1.8611	2.6007
PHP/A	1.0147	1.2345	1.2378	1.2760	1.3161	1.4171	1.4733	1.6622	2.0828	2.3418	2.7522	4.0601	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
660 13740 0  
STATION NAME  
HIG HASIN RAY SUMM  
ELV SEC T&P RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
577 11 0HS 02W H M 37.25N 122.050 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.99	5.34	6.20	7.42	8.14	8.96	9.96	10.81	11.82	12.98	15.22	21.27	31.23
5	5.63	7.81	8.97	11.23	11.69	12.77	14.03	15.1	16.46	18.02	21.05	29.33	40.74
10	6.72	9.51	10.84	13.14	14.03	15.31	16.66	17.81	19.3	21.16	24.87	34.25	46.23
20	7.75	11.01	12.4	14.1	15.1	16.7	18.2	19.8	21.6	23.4	24.97	31.9	51.6
25	8.07	11.68	13.29	15.53	16.93	18.64	19.84	21.04	22.77	24.9	26.98	40.06	52.49
40	8.74	12.74	14.50	16.72	16.97	20.01	21.22	22.67	24.43	26.7	31.6	42.84	55.42
50	9.05	13.29	15.07	17.28	19.04	20.74	22.14	23.41	25.19	27.54	32.03	44.13	56.76
100	10.01	14.87	16.82	18.94	21.09	22.97	24.3	25.65	27.51	30.07	34.95	48.00	60.76
200	10.95	16.44	18.5	21.67	23.11	25.16	25.59	27.9	29.7	32.51	37.76	51.72	64.55
1000	13.68	21.03	22.44	24.50	26.07	30.12	31.34	32.66	34.4	37.94	44.02	59.96	72.76
10000	16.74	25.10	28.95	34.93	37.92	38.00	39.33	41.52	45.12	52.55	71.48	83.53	
PPM	39.74	45.10	51.51	54.43	65.56	71.76	76.45	81.47	96.34	111.44	155.05	192.08	

MEAN	4.364	6.154	6.915	7.103	8.441	9.822	10.748	11.569	12.570	13.792	16.162	22.439	32.120
CLOCK HR. COR.	1.140	1.70	1.940	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.340	1.490	1.564	1.945	1.678	2.445	2.105	1.746	1.518	1.256	.819	.744	
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.900	.800	.500

KUMTOSIS	4.744	6.222	6.675	6.744	7.338	10.928	6.768	9.174	7.296	6.265	5.448	3.398	2.919
N	59	59	59	22	21	21	21	21	21	21	21	21	58
RECORD YEAR	1963	1963	1963	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	9.100	15.400	17.400	20.400	23.400	26.700	26.000	31.000	32.700	33.000	36.310	42.238	56.600
NORMALIZED MAX	2.000	3.16	3.149	3.243	3.349	4.512	3.550	4.740	5.184	5.055	7.209	11.28	21.174
CALC. COEF. VAH	+1.16	+6.66	+6.66	+5.59	+5.12	+5.49	+5.02	+5.62	+5.05	+4.70	+4.28	+4.15	+3.78
REGN. COEF. VAH	+4.73	+4.33	+3.32	+4.20	+4.17	+4.10	+4.03	+4.02	+3.99	+3.93	+3.94	+3.32	
USED COEF. VAH	+4.03	+4.33	+3.32	+4.20	+4.17	+4.10	+4.03	+4.02	+3.99	+3.93	+3.94	+3.32	

MEAN/A	1.350	1.485	2.153	2.624	2.796	3.056	3.244	3.801	3.914	4.224	5.032	.6986	1.0000
HP1/1/A	+2.92	+1.87	+4.92	+3.93	+4.76	+5.186	+5.655	+6.021	+6.588	+7.673	+10.66	+14.393	
HP2/5/A	+2.13	+3.34	+4.139	+4.60	+2.77	+5.744	+6.180	+6.554	+7.089	+7.752	+9.023	+1.272	+1.6342
HP3/5/A	+2.19	+4.137	+4.692	+5.300	+5.27	+6.548	+6.892	+7.289	+7.844	+8.574	+9.972	+1.3738	+1.7672
RP100/4/A	+3.117	+4.331	+5.236	+5.912	+5.657	+7.152	+7.581	+7.986	+8.566	+9.361	+1.0809	+1.4946	+1.8917
RP110/0/A	+6.72	+6.237	+6.997	+7.628	+6.015	+9.374	+9.758	+1.0175	+1.0817	+1.1812	+1.3707	+1.8669	+2.2652
RP1100/0/A	+6.94	+7.16	+8.718	+8.295	+1.0593	+1.1542	+1.1932	+1.2244	+1.2927	+1.4110	+1.6361	+2.2126	+2.6007
PPM/A	+9.71	1.44	1.6038	1.0497	+2.0411	+2.214	+2.3926	+2.5366	+2.7513	+2.9994	+3.4694	+4.8274	+5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
660 1377 1  
STATION NAME  
CAMPBELL WATER CO  
ELV SEC T&P RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
192 35 01S 01W C M 37.2M 121.960 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.95	2.42	2.71	2.98	3.10	3.39	3.86	4.15	4.75	5.28	6.25	9.18	14.31
5	2.74	3.51	3.91	4.27	4.55	4.83	5.44	5.81	6.62	7.33	8.65	12.65	19.97
10	3.27	4.22	4.75	5.15	5.45	5.8	6.46	6.84	7.67	8.69	10.13	14.4	22.67
20	3.77	4.82	5.25	5.55	5.83	6.21	6.7	7.18	8.03	8.93	10.19	13.69	25.92
25	3.83	4.23	4.82	5.25	5.69	6.08	6.59	7.01	7.81	8.71	9.13	11.91	25.74
40	4.26	5.74	6.23	6.8	7.14	7.59	7.85	8.71	9.82	10.66	12.78	18.48	27.17
50	4.41	5.97	6.57	7.0	7.46	7.85	8.59	9.49	10.13	11.20	13.16	19.03	27.83
100	4.84	6.67	7.34	7.69	8.21	8.70	9.45	10.2	11.06	12.73	14.36	20.70	29.79
200	5.33	7.39	8.09	8.62	9.46	9.53	10.28	11.68	13.22	15.52	22.31	31.31	51.65
1000	6.37	9.01	9.8	10.38	10.76	11.40	12.18	12.95	13.97	15.43	18.05	25.81	35.67
10000	7.81	11.29	12.22	12.65	13.23	14.01	14.75	15.11	16.69	18.43	21.9	30.6	46.96
PPM	14.9K	20.27	26.47	26.17	27.44	28.26	29.82	31.26	35.52	39.18	45.78	60.88	94.17

MEAN	2.126	2.721	3.016	3.291	3.491	3.719	4.170	4.441	5.053	5.608	6.640	9.679	15.748
CLOCK HR. COR.	1.140	1.70	1.640	1.029	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.659	1.156	1.217	1.038	1.163	1.111	1.309	1.141	.759	.799	.894	.635	.606
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.900	.800	.500

KUMTOSIS	6.021	3.971	4.118	3.650	4.606	4.001	6.308	5.045	3.568	3.714	3.442	2.805	2.599
N	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1968	1968	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941
RECORD MAXIMUM	4.420	5.528	6.540	7.029	8.260	8.790	10.455	10.450	10.450	11.530	12.500	17.100	28.01
CALC. COEF. VAH	.999	+4.39	+4.39	+4.11	+4.25	+4.08	+4.09	+3.97	+3.92	+3.70	+3.69	+3.61	+3.42
REGN. COEF. VAH	+4.03	+4.20	+4.20	+4.23	+4.21	+4.17	+4.10	+4.03	+4.02	+3.99	+3.93	+3.94	+3.32
USED COEF. VAH	+4.03	+4.20	+4.20	+4.23	+4.21	+4.17	+4.10	+4.03	+4.02	+3.99	+3.93	+3.94	+3.32

MEAN/A	1.350	1.728	1.915	2.090	2.217	2.361	2.648	2.826	3.209	3.561	4.217	6.146	10.000
HP1/1/A	2.079	2.716	3.013	3.271	3.463	3.681	4.104	4.363	4.436	5.564	6.335	.9382	14.393
HP2/5/A	2.497	3.335	3.983	.3970	+1.80	+4.43	+4.891	+5.141	+5.612	+6.630	+7.561	1.0973	14.342
HP5/1/A	2.860	3.793	+1.75	+4.481	+4.699	+4.997	+5.454	+5.704	+6.431	+7.111	+8.353	1.3147	16.7672
RP100/4/A	.3090	.424	+6.658	+6.981	+5.205	+5.527	+5.999	+6.254	+7.023	+7.764	+9.117	1.3147	1.8917
RP110/0/A	.4405	.5719	+6.226	+6.593	+6.93	+7.241	+7.722	+7.969	+8.689	+9.977	+1.1486	1.6425	2.6765
RP1100/0/A	.4962	.7166	+7.757	+8.159	+8.399	+8.699	+9.4363	+9.589	+1.0594	+1.1702	+1.3710	+1.9468	2.6007
PPM/0/A	.950	1.2874	+1.4269	+1.5348	+1.6182	+1.7131	+1.8934	+1.9805	+2.2557	+2.4486	+2.9073	4.2471	.5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-URATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
E60 2199 0 COX AVE SJAK

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	600D	365D
2	2.71	3.45	4.88	4.24	4.44	4.88	5.39	5.77	6.44	7.16	8.34	11.93	19.17								
5	3.82	5.01	5.61	5.65	5.34	6.84	7.60	8.06	8.95	9.95	11.53	16.45	24.00								
10	4.56	6.10	6.50	6.51	7.60	8.19	9.03	9.51	10.53	11.65	13.51	19.21	28.37								
20	5.25	7.11	7.92	7.92	8.94	9.49	10.95	11.95	12.95	13.95	15.52	19.74	27.12								
40	5.47	7.41	9.21	7.81	9.17	9.48	13.77	11.40	12.63	13.75	14.88	22.46	37.21								
49	5.93	8.19	9.07	8.41	8.95	10.79	11.96	12.11	13.30	14.74	17.52	24.02	34.01								
90	6.14	8.51	9.42	8.69	10.32	11.11	12.00	12.50	13.72	15.20	17.55	24.74	34.84								
100	6.79	9.53	10.51	9.55	11.43	12.30	13.19	13.70	14.99	16.60	19.14	26.91	37.29								
200	7.42	10.53	11.59	10.90	12.52	13.47	14.30	14.87	16.23	17.95	20.69	29.00	39.61								
1000	8.47	12.84	14.05	12.32	14.99	16.13	15.48	17.45	16.92	20.94	24.12	33.62	44.65								
10000	10.88	16.08	17.51	15.01	18.44	19.92	21.59	21.00	22.61	25.02	28.79	39.85	51.27								
PMP	20.45	26.91	32.20	27.38	33.52	38.15	41.48	43.51	48.11	53.18	61.05	86.95	117.88								

MEAN	2.359	3.879	4.323	4.578	4.868	5.259	5.824	6.176	6.844	7.614	8.854	12.583	19.712								
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.001	1.000	1.000	1.000	1.000								
CALCULATED SKEW	.765	.944	.587	.738	.933	1.041	1.159	1.060	.694	.546	.433	.337	.526								
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.900	.900	.900								
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.900	.900	.900								

KURTOSIS	2.632	2.919	2.593	3.047	3.293	4.698	5.403	5.549	3.834	3.449	2.835	2.682	2.241								
N	20	20	20	20	20	20	20	20	20	20	20	20	20								
RECDUB YEAR	1956	1967	1963	1967	1956	1956	1956	1956	1956	1956	1956	1956	1956								
HECDUB MAXIM	4.700	6.600	7.450	6.600	7.450	10.000	11.000	13.000	13.000	14.000	16.000	22.350	32.640								
NORMALIZED MAX	1.471	1.593	1.621	1.472	2.294	2.646	2.662	2.497	2.361	2.094	1.677	1.340									
CALC. COEF. VAR	.400	.476	.430	.453	.476	.400	.472	.467	.421	.399	.421	.416	.409								
REGN. COEF. VAR	.403	.400	.476	.430	.432	.420	.417	.410	.403	.402	.399	.393	.394								
USED COEF. VAR	.403	.430	.430	.430	.432	.420	.417	.410	.403	.402	.399	.393	.394								

MEAN/A	.1501	.1608	.2193	.2522	.2469	.2664	.2954	.3133	.3472	.3863	.4492	.6383									
P10/A	.2192	.2459	.3353	.3557	.3457	.4574	.4892	.5341	.5926	.6555	.6744	.8193									
P25/A	.2776	.3798	.4216	.4943	.4555	.5013	.5456	.5712	.6269	.6973	.8059	.1396	.1432								
P50/A	.3114	.4320	.4780	.4439	.2933	.5934	.6085	.6342	.6959	.7713	.8901	.12552	.17672								
P100/A	.3443	.6834	.5333	.4845	.7949	.6240	.6593	.6949	.7600	.8420	.9712	.13656	.18917								
P1000/A	.4499	.6512	.7128	.6251	.7607	.8180	.8515	.8854	.9597	.10625	.12238	.17058	.26252								
P10000/A	.5514	.8180	.8881	.7617	.9353	1.0054	1.0464	1.0554	1.1468	1.2692	1.4665	2.0219	.26007								
PMP/A	1.0575	1.4459	1.6339	1.3847	1.821	1.9354	2.1123	2.2071	2.4048	2.6980	3.0970	4.4108	.59800								

## PRECIPITATION DEPTH-URATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
E60 2199 0 CUYOTE RESERVOIR

## MAXIMUM PRECIPITATION FOR INDICATED DURATION IN-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	600D	365D
2	2.43	3.20	3.52	3.78	4.16	4.43	4.96	5.44	6.27	6.94	8.03	11.81	20.12								
5	1.43	4.64	5.09	5.43	5.94	6.31	7.00	7.61	8.12	9.64	11.11	16.29	26.24								
10	4.09	5.65	6.18	6.54	7.13	7.55	8.30	8.98	10.25	11.32	13.02	19.02	29.78								
20	4.72	6.83	7.22	7.61	8.25	8.75	9.52	10.24	11.64	12.45	14.64	21.49	32.87								
40	5.49	7.82	8.24	8.64	9.21	9.79	10.54	11.24	12.62	13.42	15.00	22.49	35.31								
49	5.32	7.59	8.23	8.64	9.33	9.89	10.08	11.43	12.95	14.36	16.39	23.79	36.70								
50	5.51	7.89	8.56	8.47	9.67	10.67	11.25	11.04	11.80	13.39	14.73	16.90	24.50								
100	6.10	8.83	9.55	9.37	10.70	11.35	12.14	12.93	14.57	16.08	18.44	26.65	39.13								
200	6.67	9.76	10.53	10.45	11.75	12.43	13.21	14.03	15.77	17.39	19.93	28.72	41.58								
1000	7.97	11.30	12.76	13.19	14.05	14.88	15.63	16.47	18.42	20.29	23.33	32.39	46.86								
10000	9.77	14.91	15.90	16.32	17.29	18.29	18.95	19.82	22.01	24.24	27.73	39.46	53.80								
PMP	18.72	26.78	29.25	31.71	35.31	35.21	34.81	41.07	46.85	51.53	58.80	86.89	123.72								

MEAN/A	2.658	3.594	3.926	4.101	4.854	5.359	5.829	6.664	7.377	7.828	8.528	12.458	20.888								
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000								
CALCULATED SKEW	1.098	1.450	1.500	1.235	1.026	1.084	.999	.777	.563	.488	.477	.400	.475								
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.900	.900	.900								
SKW USED	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.900	.900	.900								

KURTOSIS	3.300	4.556	5.032	4.475	4.002	4.407	4.085	3.385	2.970	2.772	2.946	3.139	2.829								
N	38	38	38	38	38	38	38	38	38	38	38	38	38								
RECDUB MAXIM	4.790	8.491	10.30	10.170	10.171	10.990	11.440	11.77	12.759	14.890	16.420	24.710	34.720								
NORMALIZED MAX	1.711	2.455	2.95	2.91	2.89	2.856	2.666	2.457	2.162	2.162	2.162	2.646	3.142								
CALC. COEF. VAR	.467	.533	.531	.492	.549	.443	.426	.413	.413	.413	.413	.413	.413								
REGN. COEF. VAR	.403	.430	.430	.423	.423</td																

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME FLEV SEC T&P RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
860 2230 1 CUPERTINO 215 13 075 02W G M 37°31' 122°03' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.02	2.58	2.91	3.10	3.47	3.71	4.12	4.92	5.05	5.58	6.51	9.49	15.94
5	2.85	3.73	4.21	4.53	4.96	5.28	5.80	6.14	7.07	7.74	9.00	13.08	20.79
10	3.40	4.54	5.11	5.40	5.95	6.33	6.89	7.29	8.31	9.09	10.55	15.28	23.59
20	4.00	5.32	5.97	6.25	6.83	7.20	7.90	8.34	9.41	10.32	11.77	17.26	26.05
50	4.09	5.58	6.24	6.63	7.18	7.63	8.21	8.63	9.74	10.34	12.40	17.84	24.79
40	4.63	6.10	6.81	7.21	7.79	8.28	8.86	9.24	10.43	11.47	13.29	19.11	26.28
50	4.58	6.35	7.08	7.48	8.00	8.58	9.16	9.56	10.82	11.83	13.70	19.68	26.97
100	5.67	7.10	7.90	8.32	8.95	9.50	10.67	11.49	11.82	12.92	14.95	21.41	31.01
200	5.55	7.85	H.71	9.14	9.80	10.41	10.96	11.38	12.79	13.97	16.11	23.07	32.94
1000	6.62	9.57	10.56	11.01	11.74	12.46	12.96	13.37	14.92	16.30	18.84	26.74	37.13
10000	8.12	11.99	13.15	13.63	14.44	15.31	15.72	16.09	17.63	19.41	22.48	31.70	42.53
PMP	15.57	21.54	24.19	25.63	27.82	29.47	31.78	33.33	37.95	41.40	47.48	69.15	98.03

MEAN	2.209	2.692	3.248	3.490	3.811	4.063	4.445	4.732	5.398	5.926	6.915	10.007	16.393
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.197	.798	.938	.923	1.281	1.104	1.473	1.293	.909	.851	.917	.841	.663
REGIONAL SKW	1.380	1.600	1.500	1.400	1.300	1.300	1.160	1.400	.900	.900	.800	.500	.500
USED SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.160	1.400	.900	.900	.800	.500	.500

KUMTUSIS	4.663	3.242	3.728	3.924	6.121	5.552	7.557	6.318	4.163	3.661	3.813	3.619	3.130
N	73	73	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1963	1911	1911	1958	1956	1956	1956	1956	1956	1956	1956	1911	1941
RECORD MAXIMUM	4.900	5.000	6.750	7.000	10.30	10.70	12.40	12.75	13.00	14.00	16.00	22.40	31.60
NORMALIZED MAX	2.459	2.342	2.665	3.012	4.465	4.945	4.512	4.245	3.663	3.188	2.945	2.555	
CALC. COEF. VAH	.422	.412	.403	.415	.31	.416	.415	.401	.401	.417	.423	.350	
REGN. COEF. VAH	.413	.439	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.413	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	1.168	1.674	1.190	2.124	2.724	2.712	2.808	2.894	3.215	4.218	4.104	1.000	
HP10/A	2.775	2.777	3.117	3.333	3.82	3.82	4.207	4.443	5.653	5.566	6.648	1.393	
HP25/A	2.493	3.045	3.809	3.945	4.383	4.657	5.006	5.267	5.565	6.527	7.564	1.058	1.434
HP50/A	2.796	3.373	4.318	4.565	4.928	5.234	5.585	5.863	6.690	7.219	8.350	1.2004	1.7672
RP100/A	3.092	4.734	4.818	5.075	5.959	5.797	6.183	6.042	7.204	7.881	9.121	1.3058	1.9517
RP1000/A	4.039	5.938	6.640	6.717	7.162	7.599	7.967	8.157	9.102	9.945	11.93	1.6313	2.6652
RP10000/A	4.954	7.315	8.023	8.312	8.860	9.340	9.888	9.915	1.0877	1.1879	1.3718	1.9338	2.6007
PMPP/A	9.495	13.142	14.759	15.636	16.963	17.980	19.388	20.034	23.3150	24.552	29.085	42.2181	54.8800

STATION NO. STATION NAME FLEV SEC T&P RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
851 0219 0 EVERGREEN 340 20 075 02E G M 37°31' 122°03' 43

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.60	1.83	2.07	2.30	2.46	2.66	2.95	3.21	3.79	4.36	5.23	7.54	13.28
5	2.25	2.65	3.00	3.30	3.51	3.79	4.16	4.49	5.26	6.06	7.24	10.39	17.32
10	3.11	3.74	3.84	3.98	4.21	4.54	4.93	5.30	6.18	7.11	8.48	12.14	19.65
20	3.11	3.74	4.25	4.63	4.81	5.25	5.66	6.04	7.02	8.07	9.62	13.71	21.70
50	3.23	3.96	4.45	4.84	5.04	5.47	5.89	6.26	7.28	8.37	9.77	14.22	22.32
40	3.50	4.33	4.85	5.21	5.52	5.92	6.32	6.79	7.81	8.88	10.66	15.18	23.58
50	3.62	4.51	5.01	5.45	5.72	6.15	6.58	6.97	8.08	9.26	11.01	15.54	24.13
100	4.01	5.04	5.62	6.00	6.33	6.81	7.21	7.63	8.80	10.11	12.02	17.01	25.83
400	4.38	5.57	6.20	6.65	6.94	7.48	7.85	8.28	9.52	10.93	12.98	18.33	27.44
1000	5.23	6.79	7.51	8.02	8.31	8.93	9.28	9.73	11.11	12.75	15.14	21.25	30.93
10000	6.42	8.51	9.36	9.93	10.21	10.98	11.26	11.70	13.28	15.23	18.07	25.19	35.51
PMP	12.30	15.24	17.22	18.66	19.69	21.13	22.76	24.24	28.26	32.38	38.32	54.94	81.86

MEAN	1.746	2.152	2.312	2.543	2.697	2.912	3.184	3.441	4.020	4.636	5.557	7.951	13.655
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.169	1.154	.882	1.008	1.095	.996	.895	.833	.636	1.012	1.046	.826	.481
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
USED SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KUMTUSIS	3.738	4.427	3.532	3.116	4.324	3.959	3.502	3.404	3.174	4.332	3.257	3.343	3.385
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1952	1956	1956	1952	1952	1952	1952	1952	1952	1952	1952	1952	1958
RECORD MAXIMUM	3.000	3.010	4.160	4.900	5.391	5.760	5.810	6.300	7.210	8.900	10.030	14.080	22.390
NORMALIZED MAX	2.015	2.456	2.324	2.619	2.791	2.651	2.354	2.419	2.493	2.966	2.423	3.36	2.074
CALC. COEF. VAH	.358	.355	.364	.361	.358	.369	.370	.374	.315	.312	.322	.326	.308
REGN. COEF. VAH	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN	.1279	.1503	.1693	.1862	.1975	.2133	.2331	.2520	.2944	.3395	.4069	.5823	1.0000
HP10/A	.1960	.2382	.2664	.2715	.3105	.3327	.3481	.3599	.3268	.4511	.4649	.4493	
HP25/A	.2265	.2740	.3039	.3159	.3407	.3404	.4595	.5333	.5299	.7249	.1339	.1342	
HP50/A	.3233	.3299	.3690	.3994	.4187	.4504	.4802	.5102	.5901	.6778	.6065	.1451	.17672
RP100/A	.2933	.3692	.4118	.4460	.4638	.4988	.5282	.5599	.6444	.7401	.8799	.2455	.18917
RP1000/A	.3933	.4974	.5503	.5870	.6085	.6540	.6799	.7122	.8138	.9338	.1.1087	.1.5500	.2.2652
RP10000/A	.6706	.8232	.6857	.7272	.7442	.8037	.8243	.8570	.9725	1.1155	1.3232	1.6444	2.6007
PMPP/A	.9066	1.1197	1.2913	1.3679	1.4416	1.5472	1.6670	1.7754	2.0497	2.3712	2.8059	4.0238	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT REPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP PNT LOT HMM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 4900 37.276 122.050 43  
E60 3347 75 GARRARD MOUNTAIN

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.38	4.27	5.06	5.44	5.77	6.15	7.01	7.54	8.61	9.40	11.07	16.10	26.23
5	4.47	5.13	5.79	6.81	8.24	8.74	9.48	10.50	11.94	13.06	15.30	22.21	34.82
10	5.49	6.13	6.86	7.42	8.84	9.49	10.54	11.72	12.43	14.09	15.33	17.43	29.83
20	6.55	7.19	8.13	8.95	10.95	11.65	12.15	13.44	14.14	16.00	17.40	20.33	29.30
50	8.82	9.26	10.80	11.93	11.93	12.67	13.97	14.72	16.59	18.05	21.07	30.33	44.09
100	9.39	11.12	11.79	12.43	14.45	13.74	14.23	15.83	17.80	19.34	22.59	32.43	46.55
200	7.65	11.53	12.25	12.90	13.42	14.24	15.58	16.34	18.36	19.95	21.29	33.40	47.67
500	8.46	11.74	13.67	14.36	14.84	15.77	17.14	17.91	20.05	21.78	25.41	36.33	51.03
1000	9.29	13.03	13.07	13.54	13.98	14.95	17.27	19.46	21.00	22.70	25.94	39.16	54.23
10000	11.14	15.67	18.42	19.51	20.40	21.77	22.96	27.84	25.31	27.48	32.02	45.46	61.11
100000	13.56	18.49	22.76	24.49	23.98	25.51	26.75	27.40	30.25	32.83	39.21	53.80	70.16
RPMP	25.49	35.73	41.97	44.19	46.21	48.92	50.60	52.86	64.38	69.77	81.02	117.38	161.32

MEAN/A	3.691	4.796	5.626	6.010	6.439	6.743	7.566	8.074	9.150	9.991	11.751	14.965	26.977
CLOCK HR. COH*	1.140	1.70	1.040	1.020	1.01	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.249	1.746	1.452	1.389	1.846	1.251	1.689	1.972	1.667	1.867	1.580	1.397	1.349
REGIONAL SKEW	1.380	1.600	1.580	1.400	1.300	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.380	1.600	1.580	1.400	1.300	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	5.298	3.204	2.732	2.741	4.494	4.560	6.122	5.482	3.822	3.470	2.996	2.743	2.588
RECORD YEAR	1952	1963	1952	1956	1954	1956	1954	1954	1956	1956	1956	1956	1956
RECORD MAXIMUM	7.440	9.601	10.660	11.400	14.849	17.100	19.360	19.49	20.410	21.030	22.900	31.260	49.340
NORMALIZED MAX	2.553	2.204	2.195	2.159	3.043	3.591	3.534	3.394	2.823	2.550	2.229	2.005	2.082
CALC. COEF. VAR	.430	.440	.409	.419	.338	.431	.441	.416	.435	.433	.426	.419	.398
REGN. COEF. VAR	.433	.430	.430	.423	.420	.417	.410	.407	.402	.399	.393	.394	.332
USED COEF. VAR	.433	.430	.430	.423	.420	.417	.410	.402	.399	.393	.394	.332	.332

MEAN/A	1.768	1.778	2.083	2.230	2.336	2.499	2.864	2.993	3.395	3.704	4.356	6.297	1.0000
RW10/R	.2160	.2794	.3277	.3491	.3666	.3895	.4364	.4094	.5222	.5682	.6688	.9612	.14393
RW20/R	.2530	.3431	.4095	.4237	.4424	.4657	.5189	.5456	.6149	.6686	.7811	.12141	.14342
RW50/R	.2947	.3903	.4540	.4782	.4974	.5279	.5776	.6059	.6804	.7395	.8632	.12382	.17672
RW100/R	.3134	.3368	.3566	.5310	.5511	.5866	.6353	.6638	.7311	.8074	.9416	.14369	.18917
RW1000/R	.4499	.5804	.6771	.7030	.7230	.7664	.8178	.8456	.9388	.1.0188	.1.1687	.1.6826	.2.2652
RW10000/R	.6027	.7372	.8436	.8707	.8940	.9426	.9918	.1.0177	.1.2123	.1.2170	.1.4183	.1.9944	.2.6007
RP100000/R	.9635	1.3245	1.5519	1.6379	1.7128	1.8133	2.0051	2.1084	2.3865	2.5870	3.0033	4.3509	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP PNT LOT HMM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 4900 37.050 121.725 43  
E60 3419 2 GILHORN 4904

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.17	6.53	7.75	8.45	9.16	10.26	11.11	12.18	13.80	15.49	18.46	26.22	44.49
5	7.18	9.47	11.21	12.14	13.06	14.61	15.84	17.02	19.21	21.52	25.53	36.16	58.02
10	9.07	11.57	13.21	14.21	14.91	17.65	19.50	20.80	22.56	25.92	29.22	42.22	65.84
20	9.49	13.53	15.89	16.91	17.17	20.26	21.31	22.90	25.64	28.68	33.92	47.70	72.70
50	10.30	14.10	16.62	17.74	19.97	21.12	22.15	23.77	26.59	29.73	35.16	49.38	74.76
100	11.15	15.44	18.13	19.29	20.55	22.91	22.57	25.56	28.52	31.81	37.58	52.81	78.93
200	11.55	16.10	18.84	20.02	21.30	23.74	24.71	26.46	29.42	32.88	38.85	54.39	80.84
500	12.77	18.02	21.02	22.25	23.60	26.29	27.17	28.92	32.13	35.90	42.39	66.54	100.00
1000	13.97	19.92	23.17	24.45	25.80	28.00	29.00	31.37	34.86	38.41	45.61	73.16	97.35
10000	20.47	28.40	32.06	33.06	34.43	35.98	36.94	38.85	39.57	45.00	51.31	73.91	103.63
100000	24.67	32.00	35.00	35.97	36.97	42.37	42.41	44.43	46.48	54.11	63.74	76.81	118.98
RPMP	32.23	54.05	68.39	68.57	73.34	81.86	85.76	91.85	103.14	115.02	135.17	191.12	273.57

MEAN/A	5.568	7.336	8.642	9.335	10.047	11.242	11.995	13.038	14.677	16.466	19.665	27.659	45.747
CLOCK HR. COH*	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.118	.962	.755	.490	.049	-0.047	-0.466	-0.332	-0.112	.719	.547	.686	
REGIONAL SKEW	1.344	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.800	.500
SKEW USED	1.344	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.800	.500

KURTOSIS	4.691	3.054	4.640	3.599	3.131	2.417	2.464	2.675	2.386	2.245	2.369	3.465	
RECORD YEAR	1952	22	22	22	22	22	22	22	22	22	22	22	22
RECORD MAXIMUM	10.580	14.100	17.860	17.950	17.950	17.950	20.000	21.000	22.000	26.000	39.630	51.810	84.346
NORMALIZED MAX	2.165	2.673	2.433	2.142	1.644	1.882	1.625	1.397	1.575	2.480	2.248	2.215	
CALC. COEF. VAR	.430	.438	.435	.394	.357	.363	.355	.329	.357	.368	.412	.388	.381
REGN. COEF. VAR	.433	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.433	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1217	.1604	.1889	.2041	.2196	.2457	.2622	.2850	.3208	.3599	.4285	.6046	1.0000
RW10/R	.1874	.2520	.2972	.3195	.4431	.3830	.4493	.5492	.5522	.5522	.6540	.9230	1.4393
RW25/R	.2251	.3935	.3832	.3878	.4141	.4618	.4843	.5190	.5812	.6498	.7685	.10794	1.6342
RW50/R	.2525	.3520	.4118	.4376	.4656	.5190	.5401	.5770	.6430	.7187	.8493	.11869	1.7672
RW100/R	.2792	.3940	.4595	.4865	.5158	.5748	.5940	.6322	.7023	.7847	.9266	.12933	1.8917
RW1000/R	.3648	.5307	.6141	.6439	.6767	.7535	.7646	.8054	.8868	.9901	.1.1676	.1.6157	2.2652
RW10000/R	.4474	.6655	.7651	.7969	.8321	.9261	.9270	.9692	.1.0597	.1.1821	.1.9334	.1.9151	2.6007
RWPM/R	.4574	.1.1946	.1.4670	.1.4990	1.6033	1.7828	1.8747	2.0078	2.2595	2.5142	2.5568	4.1778	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DERANDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
E60 36A1 0

STATION NAME  
GUADALUPE RESERVOIR

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D	
2	3.51	4.63	5.26	5.71	6.17	6.63	7.24	7.76	8.80	9.61	11.26	16.15	26.56	
5	4.45	6.70	7.61	8.19	8.49	9.45	10.21	10.84	12.25	13.45	15.57	22.27	34.64	
10	5.91	8.73	9.23	9.64	10.61	11.33	12.12	12.94	14.39	15.68	18.25	26.00	39.31	
20	6.11	9.58	10.78	11.44	12.29	13.00	14.50	15.54	17.00	18.74	20.47	29.24	44.63	
25	7.10	10.02	11.28	11.99	12.60	13.76	14.44	15.14	16.94	18.65	21.44	30.41	44.63	
40	7.69	11.96	12.30	13.14	13.88	14.81	14.71	16.28	18.14	19.74	22.48	32.52	47.12	
50	7.98	11.40	12.78	13.33	14.39	15.35	16.11	16.81	18.75	20.40	23.70	33.50	48.26	
100	8.46	12.76	14.26	15.14	15.94	17.00	17.72	18.42	20.47	22.27	25.85	36.44	51.66	
200	9.63	14.14	15.72	16.52	17.46	18.62	19.24	19.92	22.14	24.08	27.94	39.27	54.89	
500	11.51	17.49	19.06	19.91	20.92	22.26	23.47	25.85	26.11	32.58	45.52	61.86		
1000	14.10	23.75	24.53	25.72	27.17	27.65	28.24	30.91	33.57	38.88	53.98	71.03		
PPM	27.03	38.64	43.94	44.28	44.75	42.73	55.91	54.50	65.76	71.37	82.44	117.71	191.31	
MEAN	3.837	5.194	5.865	6.319	6.780	7.269	7.820	8.304	9.354	10.217	11.957	17.035	27.310	
CLOCK HR. COEF.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKW	1.375	1.424	1.547	1.393	1.314	1.404	1.356	1.189	1.035	.920	.859	.449	.731	
REGIONAL SKW	1.390	1.400	1.400	1.400	1.391	1.380	1.100	1.030	.906	.900	.900	.800	.500	
SKW USED	1.300	1.400	1.400	1.400	1.300	1.100	1.000	.900	.900	.900	.900	.800	.500	
KURTOSIS	5.440	6.144	6.667	5.612	4.923	5.642	5.381	4.791	4.139	3.691	3.501	2.587	2.731	
RECDNU YR/MN	39	39	39	39	39	39	39	39	39	39	39	39	39	
RECORD MAXIM	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	
NORMWLZD MAX	2.563	3.229	3.440	2.430	2.493	3.195	3.330	3.230	3.114	2.939	2.770	2.104	2.065	
CALC. COEF. VAR	.388	.455	.478	.447	.444	.436	.435	.418	.397	.385	.388	.358	.356	
REGN. COEF. VAR	.403	.431	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332	
USED COEF. VAR	.403	.431	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332	
MEAN/A	1.405	1.92	2.147	2.310	2.486	2.462	2.463	2.601	2.425	2.371	2.378	2.628	3.000	
HP10/A	2.183	2.59	3.379	3.816	4.083	4.148	4.430	4.693	5.266	5.740	6.682	9.52	14.393	
HP25/A	2.594	3.671	4.129	4.393	4.680	5.001	5.289	5.544	6.204	6.751	7.133	11.634		
HP50/A	2.915	4.175	4.681	4.954	5.269	5.921	5.894	6.156	6.864	7.740	8.676	12.266	17.767	
RP100/A	3.223	4.672	5.223	5.567	5.538	6.025	6.687	6.744	7.497	8.156	9.467	13.343	18.917	
RP1000/A	4.211	6.594	6.980	7.289	7.654	8.161	8.350	8.593	9.67	10.291	11.928	16.669	2.2652	
RP10000/A	5.168	7.686	8.567	9.020	9.417	10.001	10.124	10.34	11.313	12.293	12.435	24.5878	26.007	
PHM/A	.9898	14.168	15.999	16.968	16.144	14.919	2.473	2.407	2.407	2.407	2.407	3.0187	4.3102	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
E60 46A2 0

STATION NAME  
LAKE ELSMAN SJWW

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D	
2	4.63	6.25	7.09	7.93	8.61	9.21	10.24	11.06	12.38	13.76	16.48	23.20	40.03	
5	6.53	9.06	10.28	10.57	12.29	13.12	14.43	15.46	17.23	19.11	22.47	29.99	52.22	
10	7.41	11.04	12.45	12.74	14.75	15.72	17.05	18.08	20.11	21.70	24.14	31.35	52.22	
20	8.49	12.95	14.55	14.98	17.07	18.20	19.64	20.81	22.99	25.46	31.29	42.20	65.42	
25	9.26	13.55	15.16	15.52	17.81	18.97	20.62	21.70	23.64	26.40	31.39	43.62	67.28	
40	10.11	14.82	16.59	17.74	19.31	20.57	20.80	23.27	25.57	28.31	33.64	57.72	71.03	
50	10.55	15.41	17.24	18.27	20.01	21.31	22.77	23.97	26.37	29.19	34.69	48.12	72.75	
100	11.61	17.25	19.24	19.87	21.17	23.61	25.05	26.27	28.80	31.87	37.85	52.34	77.88	
200	12.70	19.07	21.21	21.94	24.29	25.84	27.26	28.49	31.15	34.46	40.96	52.34	82.73	
500	15.20	23.22	25.11	23.14	29.40	30.42	32.42	34.22	37.49	40.29	45.39	52.34	93.26	
1000	18.60	26.12	32.04	34.10	37.77	39.05	39.99	40.27	43.47	46.04	56.91	77.50	107.07	
PPM	33.60	52.31	58.93	51.24	68.91	73.24	79.04	83.42	92.51	102.12	120.69	169.00	246.19	
MEAN	5.061	7.22	7.910	8.568	9.440	10.096	11.055	11.841	13.159	14.620	17.503	24.468	41.168	
CLOCK HR. COEF.	1.140	1.170	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKW	1.289	1.555	1.273	1.410	2.144	2.268	2.251	1.956	1.956	1.956	1.956	1.956	1.956	
REGIONAL SKW	1.360	1.400	1.500	1.400	1.360	1.300	1.200	1.000	.900	.900	.900	.800	.500	
SKW USED	1.300	1.400	1.500	1.400	1.300	1.100	1.000	.900	.900	.900	.900	.800	.500	
KURTOSIS	5.742	6.24	5.737	5.691	8.201	9.666	8.864	8.553	6.88	5.967	5.187	3.770	1.93	
RECDNU YR/MN	23	23	23	23	23	23	23	23	23	23	23	23	23	
RECORD MAXIM	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	
NORMWLZD MAX	0.546	15.190	16.730	14.45	24.33	27.430	30.530	31.180	33.400	32.180	38.450	46.560	64.630	
CALC. COEF. VAR	.397	.440	.479	.434	.484	.494	.493	.474	.475	.456	.405	.373	.359	
REGN. COEF. VAR	.403	.431	.430	.332	.421	.410	.403	.402	.399	.393	.394	.394	.332	
USED COEF. VAR	.403	.431	.430	.332	.421	.410	.403	.402	.399	.393	.394	.394	.332	
MEAN/A	1.229	1.176	1.192	1.201	2.081	2.293	2.457	2.685	2.876	3.196	3.351	4.425	.5943	1.0000
HP10/A	1.193	2.611	3.023	3.015	3.563	3.321	4.162	4.431	4.917	5.449	6.689	9.073	14.393	
HP25/A	2.274	3.292	3.694	3.525	4.932	4.610	4.960	5.244	5.579	6.612	7.62	10.611	16.342	
HP50/A	2.550	3.744	4.188	3.951	4.861	5.179	5.531	5.623	6.046	7.091	8.42	11.688	17.672	
RP100/A	2.820	4.190	4.673	4.342	5.348	5.736	6.084	6.381	6.997	7.742	9.193	12.713	19.497	
RP1000/A	3.685	5.645	6.246	5.602	7.068	7.519	8.129	8.835	9.765	11.58	15.883	21.582	26.2652	
RP10000/A	4.519	7.073	7.782	6.626	8.688	9.242	9.495	10.781	11.058	14.169	13.024	18.802	26.007	
PHM/A	.8661	1.276	1.415	1.244	1.073	1.797	1.920	2.026	2.247	2.486	2.915	5.980		

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION (DEPTH=DURATION=FREQUENCY) TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
HSN ORDER SUB E60 4688 0 LAKE KITCHENIDGE SJ/HM 1400 31 045 01W K M 37°14'3 122°08'7 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.64	6.17	7.10	7.34	8.62	9.22	11.23	11.12	12.74	14.11	16.42	23.31	39.91
5	6.54	6.93	11.27	11.59	12.31	13.54	14.42	15.54	17.79	19.60	22.70	32.14	57.06
10	7.81	8.84	12.45	12.39	14.77	15.75	17.12	15.34	20.41	23.01	26.61	37.51	54.07
20	9.11	10.27	11.46	11.13	11.93	12.28	19.21	11.71	20.76	21.52	23.77	42.01	65.07
25	9.38	13.36	15.22	14.69	17.82	18.99	20.60	17.11	24.67	27.07	31.29	43.90	67.67
40	10.16	14.61	15.60	15.76	19.33	20.59	20.78	21.34	26.41	29.03	33.51	46.94	76.81
50	10.52	15.20	17.25	16.29	20.14	21.34	22.75	24.10	27.24	29.94	34.59	46.35	72.53
100	11.63	17.01	19.25	17.49	22.28	23.64	25.03	26.41	29.75	32.43	37.70	52.59	77.64
200	12.73	18.80	21.22	19.48	24.32	25.89	27.24	28.64	32.17	35.35	41.74	56.68	82.48
1000	15.20	22.91	25.73	21.99	24.13	10.99	32.21	13.65	37.56	41.25	47.50	55.71	92.97
10000	18.64	24.71	32.06	24.14	35.81	34.19	39.66	36.44	44.89	49.27	54.61	77.88	106.74
FMP	35.73	51.52	54.98	51.30	54.11	73.32	75.99	53.87	95.53	104.74	120.21	159.90	245.93

MEAN	5.071	6.924	7.916	H.579	9.453	10.106	11.047	11.906	13.539	14.996	17.434	24.588	41.042
CLOCK HR. COR.	1.140	1.71	1.340	1.020	1.610	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.291	1.438	1.557	1.414	1.739	2.078	2.193	1.933	1.561	1.393	1.231	.716	.654
REGIONAL SKEW	1.360	1.400	1.500	1.420	1.360	1.360	1.000	1.000	1.000	1.000	1.000	.800	.500
SKEW USED	1.390	1.420	1.500	1.420	1.360	1.360	1.000	1.000	1.000	1.000	1.000	.800	.500

KURTOSIS	5.386	6.614	6.714	6.026	9.622	11.034	11.594	11.00	7.449	6.345	5.473	3.281	2.936
59	59	59	59	58	58	58	58	58	58	58	58	58	58
RECORD YR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	10.106	20.34	P1.370	20.24	21.16	21.16	21.16	21.16	21.16	21.16	21.16	21.16	21.16
NORMALIZED MAX	2.013	3.453	3.675	3.129	4.454	4.694	4.694	4.694	4.694	4.694	4.694	4.694	4.694
CALC. COEF. VAR	.372	.418	.427	.413	.449	.457	.447	.447	.423	.417	.405	.399	.353
REGN. COEF. VAR	.413	.431	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.236	1.687	1.929	2.010	2.301	2.462	2.692	2.901	3.311	3.654	4.248	5.991	1.000
H91/10	+1.93	+4.51	+3.035	-3.01	+3.91	+3.87	+4.17	+4.66	+5.19	+5.06	+6.63	+9.145	+1.439
H22/25	+2.246	+3.256	+3.709	+3.557	+4.143	+4.627	+4.971	+5.289	+5.594	+5.656	+6.717	+10.096	+2.432
H50/54	+2.564	+3.714	+4.204	+3.908	+4.933	+5.261	+5.544	+5.873	+6.635	+7.295	+8.416	+1.1781	+1.7672
H100/104	+2.935	+4.145	+4.691	+3.931	+5.049	+5.760	+6.039	+6.443	+7.28	+7.965	+9.165	+1.2815	+1.8917
RPI100/104	+3.703	+5.583	+6.269	+5.627	+7.967	+7.551	+7.849	+8.108	+9.152	+10.051	+1.1573	+1.6101	+2.2652
RPI1000/104	+4.542	+6.936	+7.812	+6.856	+8.726	+9.281	+7.517	+9.865	+10.937	+12.006	+1.3912	+1.8976	+2.6007
FMP/H	.8765	1.2569	1.4370	1.2501	1.6814	1.7865	1.9246	2.0436	2.3277	2.5522	2.4289	4.1397	5.9800

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB E60 4688 0 LAKE MCKENZIE SJ 1879 25 065 02W K M 37°21' 122°06'7 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.81	6.49	7.67	6.65	9.50	10.34	11.32	12.14	14.17	15.49	18.02	26.12	44.70
5	6.78	9.41	11.10	11.54	13.58	14.74	15.96	16.97	19.73	21.51	24.91	36.01	54.30
10	8.09	11.45	13.50	13.59	16.47	18.49	20.03	23.18	25.25	27.52	32.56	45.61	66.30
20	9.4	12.47	14.72	14.77	17.96	19.81	21.30	23.54	23.71	27.29	29.71	34.33	47.34
25	9.72	14.07	16.45	16.96	18.81	21.30	23.54	23.71	27.29	29.71	34.33	49.18	75.12
40	10.53	15.38	17.95	17.18	21.44	23.10	23.00	25.49	29.28	31.81	36.77	52.60	79.31
50	10.91	16.00	16.65	17.75	22.27	23.93	25.18	26.32	30.29	32.86	37.91	54.17	81.23
100	12.06	17.91	20.81	19.51	24.57	26.52	27.70	28.84	32.98	35.88	41.38	58.93	86.95
200	13.19	19.79	22.94	21.23	27.03	29.64	31.15	31.28	35.67	38.79	44.70	63.50	92.37
1000	15.76	24.11	27.81	25.24	32.36	34.76	35.65	36.75	41.61	45.52	52.40	72.40	102.02
10000	19.43	36.23	36.65	36.67	49.40	42.42	43.23	44.27	47.77	48.86	62.20	87.26	119.54
FMP	37.04	53.30	63.75	59.91	70.69	82.74	87.81	91.61	105.93	114.96	131.89	190.36	274.88

MEAN	5.258	7.269	A.557	9.350	10.506	11.336	12.225	13.003	15.068	16.458	19.129	27.548	45.966
CLOCK HR. COR.	1.140	1.70	1.040	1.020	1.610	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.291	1.405	1.546	1.389	2.529	2.973	3.479	2.992	2.019	2.231	2.236	1.070	.685
REGIONAL SKEW	1.360	1.600	1.500	1.420	1.360	1.360	1.000	1.000	1.000	1.000	1.000	.800	.500
SKEW USED	1.390	1.420	1.500	1.420	1.360	1.360	1.000	1.000	1.000	1.000	1.000	.800	.500

KURTOSIS	7.409	6.552	7.165	0.143	13.275	15.299	16.005	15.229	12.223	11.293	11.029	5.373	2.658
59	45	45	45	33	33	33	33	33	33	33	33	33	33
RECORD YR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	12.013	17.225	21.529	22.399	34.019	39.416	42.229	43.200	44.179	45.870	51.119	62.750	82.200
NORMALIZED MAX	3.433	3.400	3.667	3.344	4.264	4.428	4.547	4.486	4.230	4.139	4.117	3.320	2.404
CALC. COEF. VAR	.403	.402	.414	.436	.521	.553	.540	.518	.467	.447	.415	.385	.329
REGN. COEF. VAR	.403	.430	.430	.332	*.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.332	*.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	+1.144	+1.586	+1.862	+2.034	+2.286	+2.466	+2.660	+2.824	+3.278	+3.580	+4.161	+5.993	+1.0000
H17/18	+2.442	+2.929	+2.937	+3.571	+3.843	+4.634	+4.912	+4.557	+5.042	+5.493	+6.391	+9.149	+1.4393
H22/25	+2.116	+3.666	+3.579	+3.471	+4.349	+4.634	+4.912	+5.158	+5.938	+6.664	+7.463	+1.070	+1.642
H23/24	+2.373	+3.481	+4.057	+3.861	+4.845	+5.929	+5.478	+5.727	+6.570	+7.149	+8.247	+1.785	+1.7672
HPI100/A	+2.626	+3.896	+5.027	+4.243	+5.368	+5.768	+6.025	+6.275	+7.175	+7.005	+8.984	+1.2820	+1.8917
HPI1000/A	+3.428	+5.248	+6.051	+5.475	+7.042	+7.582	+7.756	+7.994	+9.061	+9.620	+1.0286	+1.3551	+1.6983
HPI10000/A	+4.058	+6.576	+7.539	+6.671	+8.659	+9.295	+9.04	+9.620	+1.0765	+1.3551	+1.6983	+2.6007	
HPI50/A	+1.1811	+1.3686	+1.2161	+1.2685	+1.78								

## PRECIPITATION DEPTH- DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E60 491A 0 LEAVENWELL DAH SFC 700 10 045 03F K M 37.182 121.640 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION ..DAYS HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.63	4.99	7.34	9.60	4.06	4.38	4.97	5.31	5.93	6.77	7.94	11.58	18.96
5	7.41	4.33	4.83	5.17	5.74	6.24	7.00	7.41	8.26	9.60	10.38	15.93	24.73
10	4.07	5.27	5.96	6.23	6.25	7.69	8.31	8.74	9.70	11.03	12.97	18.61	28.07
20	4.49	4.19	6.85	7.25	8.05	8.66	9.53	9.97	11.02	12.52	14.59	21.02	30.99
40	5.29	7.05	7.82	8.28	9.10	9.78	10.49	11.13	12.26	13.92	16.21	23.27	33.65
50	5.49	7.37	8.42	8.83	9.43	10.13	10.81	11.43	12.46	13.41	14.19	21.23	34.46
100	6.16	10.24	10.06	9.49	10.45	11.23	12.15	12.59	13.91	15.74	18.27	34.89	44.89
200	6.63	11.11	9.99	10.42	11.95	12.93	13.22	13.68	14.94	16.95	19.70	28.10	39.19
500	7.39	11.10	12.11	12.55	13.71	14.77	15.64	16.05	17.44	19.78	22.97	32.57	44.18
1000	9.71	13.91	15.09	15.56	16.86	18.10	18.96	19.31	20.84	23.63	27.41	38.61	50.72
PMP	14.61	25.00	27.76	29.63	32.48	34.94	37.34	40.00	44.35	50.23	54.13	64.23	116.62
MEAN/A	2.642	3.355	3.727	3.940	4.497	4.802	5.362	5.678	6.309	7.190	8.431	12.189	19.502
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.900	2.086	1.984	1.659	1.198	1.271	1.243	1.040	1.069	1.077	1.032	1.001	1.048
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	7.183	8.110	7.624	8.159	4.122	4.507	3.904	3.357	3.251	3.245	3.582	3.809	2.973
N	25	25	25	26	26	26	24	24	24	24	24	24	25
REC'D BY TEAM	1.963	1.063	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963
RECORD MAXIMUM	6.000	5.910	9.499	10.000	10.000	10.490	11.150	11.30	12.690	13.900	16.740	24.310	35.180
NORMALIZED MAX	2.652	3.049	3.160	3.049	3.049	2.562	2.310	2.175	2.181	2.245	2.479	2.595	2.181
CALC. COEF. VAR	.479	.536	.532	.494	.481	.473	.465	.450	.461	.468	.409	.383	.369
REGN. COEF. VAR	.493	.430	.430	.425	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.425	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.355	1.172	.9111	.7401	.2281	.2467	.2749	.2912	.3735	.3667	.4323	.4250	1.0000
HPI10/A	.2066	.2704	.1066	.3149	.3594	.3137	.4251	.4488	.4977	.5657	.6598	.9541	1.4393
HPI25/A	.2565	.3321	.3674	.3477	.4301	.4627	.5078	.5308	.5860	.6657	.7753	1.1159	1.6342
HPI50/A	.3181	.3777	.3777	.4165	.4130	.4300	.5209	.5063	.5894	.6567	.7362	.8525	1.7672
HPI100/A	.4129	.4267	.4267	.4465	.4599	.5289	.5289	.5289	.7181	.8181	.8181	.8181	.1.017
HPI1000/A	.5163	.5694	.5211	.6339	.6339	.6339	.7601	.5657	.7601	.8232	.8154	.37.1d	51.26
HPI10000/A	.6980	.7134	.7734	.7968	.8083	.9290	.9721	.9901	.10.098	.12.715	.14.057	.1.9798	2.6007
PMP/A	.9565	1.2417	1.4236	1.4954	1.6059	1.7863	1.9058	2.0512	2.2743	2.5755	2.3810	4.3190	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E60 4922 0 LEAVENWELL RES 555 700 05 045 01W J 11 37.177 121.988 43

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	4.21	5.52	5.47	7.00	7.01	8.44	4.39	18.31	11.25	12.59	14.99	21.08	35.18
5	6.93	7.99	9.35	10.05	11.15	12.03	14.91	15.66	17.49	20.72	22.07	45.88	
10	7.08	9.73	11.35	12.25	14.33	14.42	15.72	17.01	18.46	20.53	24.29	33.95	52.07
20	8.11	11.42	13.29	14.09	15.49	16.64	18.02	19.40	20.90	23.31	27.53	38.35	57.49
25	8.59	11.95	13.87	14.71	10.15	17.38	19.73	20.13	21.67	24.16	28.53	39.70	59.12
40	9.21	13.07	15.13	16.00	17.51	18.95	19.09	21.65	23.25	25.91	30.58	42.45	62.42
50	9.54	13.60	15.72	16.60	19.15	19.54	20.89	22.36	23.94	26.72	31.53	43.73	63.93
100	10.55	15.28	17.46	18.40	20.10	21.60	22.11	23.69	25.29	27.34	31.47	44.43	64.43
200	11.54	16.20	19.34	20.34	22.43	23.76	24.01	25.57	28.32	31.54	37.1d	51.26	72.70
1000	13.74	21.50	23.44	24.43	29.39	28.37	24.57	31.21	33.07	36.81	43.35	59.42	81.95
10000	16.99	25.65	29.21	30.23	32.64	34.97	35.86	37.59	39.52	43.97	51.74	70.43	94.08
PMP	32.79	46.14	53.74	56.87	62.51	67.12	72.51	77.80	84.11	93.47	109.71	153.66	216.33
MEAN/A	4.897	6.193	7.213	7.742	8.563	9.251	10.142	11.045	11.465	11.382	15.912	22.237	36.176
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.688	1.292	1.315	1.300	1.251	1.567	1.350	1.394	1.185	.984	.724	.336	.455
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	3.446	5.555	5.657	4.353	5.288	6.843	5.362	5.832	4.938	3.730	1.22d	2.372	2.209
N	22	22	22	22	22	22	22	22	22	22	22	22	22
REC'D BY TEAM	1.934	1.033	1.963	1.963	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.956	1.956
RECORD MAXIMUM	7.410	13.260	15.900	15.940	19.300	22.090	22.550	25.190	26.790	27.970	30.900	38.790	58.490
NORMALIZED MAX	1.605	2.009	2.722	2.500	2.773	3.084	2.939	3.045	2.898	2.606	2.448	1.944	1.794
CALC. COEF. VAR	.381	.437	.442	.424	.452	.456	.416	.420	.428	.419	.385	.383	.344
REGN. COEF. VAR	.403	.430	.430	.423	.429	.417	.410	.403	.402	.393	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.429	.417	.410	.403	.402	.393	.393	.394	.332
MEAN/A	.1271	.1712	.1994	.2140	.2367	.2557	.2403	.3052	.3307	.3699	.4398	.6147	1.0000
HPI10/A	.1957	.2690	.3137	.3350	.3698	.3985	.4435	.4701	.5088	.5675	.6713	.9383	1.4393
HPI25/A	.2351	.3304	.3834	.4066	.4463	.4805	.5174	.5565	.5991	.6679	.7887	1.0797	1.6342
HPI50/A	.2636	.3758	.4346	.4589	.5018	.5401	.5744	.6199	.6629	.7467	.8064	.9510	1.2148
HPI100/A	.2415	.3545	.4491	.4753	.7293	.7814	.8175	.8620	.9142	.1.0175	1.1993	1.6262	2.2652
HPI1000/A	.4671	.7959	.8075	.8156	.9968	.9938	.9912	1.0380	1.0925	1.2155	1.4301	1.9470	2.6007
HPI10000/A	.8953	1.2754	1.4854	1.5719	1.7279	1.8953	2.0405	2.1595	2.3251	2.5838	3.0327	4.2474	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 650 5123 1	STATION NAME LOS GATOS MES SJW#	ELEV 215	SEC 21	TMP 085	RNG 01N	LOT P	LATITUDE 37°21'	LONGITUDE 121°45'	COUNTY CODE 43				
RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.37	4.51	5.14	6.31	6.53	7.22	7.77	8.86	9.78	11.33	15.18	27.02	
5	4.75	6.51	7.43	8.42	8.62	9.20	10.18	11.43	11.53	15.81	22.31	35.24	
10	6.67	7.93	9.32	9.45	10.34	11.15	12.09	12.81	12.49	15.93	20.53	30.99	
20	8.54	9.31	10.54	11.21	11.97	12.90	13.86	14.61	15.46	18.10	21.01	29.44	
50	10.91	9.75	11.02	11.64	12.43	13.44	14.40	15.17	17.07	18.75	21.77	30.47	
40	7.38	10.65	12.02	12.53	13.59	14.58	14.67	16.31	18.31	20.12	23.33	32.59	
100	11.00	12.49	12.95	14.04	15.11	16.84	18.89	20.75	24.10	33.57	49.10		
200	9.45	10.71	11.42	11.43	11.73	11.73	11.67	20.95	22.40	26.40	30.56		
400	9.24	13.71	15.87	17.49	17.06	19.03	20.02	24.29	24.99	30.31	39.35		
1000	11.04	16.70	14.83	13.36	20.44	21.94	22.74	23.51	26.04	26.58	33.08		
10000	13.54	20.93	23.21	22.37	25.97	26.98	27.58	29.29	31.12	34.14	39.47	54.07	
PMP	25.95	37.60	42.70	40.79	46.33	51.40	55.74	58.61	66.24	72.58	83.71	117.95	

MEAN	5.483	5.647	5.732	5.821	6.021	7.154	7.704	8.319	9.423	10.399	12.140	17.059	27.786
CLOCK HR.	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	-1.919	1.427	1.354	5.964	1.733	2.115	2.137	1.994	1.501	1.324	.988	.507	.568
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	.900	.800	.800	.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	.900	.800	.800	.500

KURTOSIS	4.682	5.829	5.598	43.753	8.929	11.520	11.300	11.452	7.289	6.080	4.928	2.982	3.211
4	5.0	5.8	5.8	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
RECORD TLEN	1.963	1.963	1.963	1.963	1.955	1.955	1.955	1.955	1.955	1.955	1.955	1.955	1.941
RECORD MAXIMUM	6.880	11.680	13.660	46.400	14.930	22.030	23.750	24.520	25.650	26.620	29.050	35.230	53.140
NORMALIZED MAX	2.123	3.012	3.222	6.783	4.410	4.786	4.834	4.755	4.204	3.915	3.572	2.724	2.540
CALC. COEF. VAR	.383	.430	.429	.856	.421	.435	.288	.411	.411	.399	.390	.391	.359
REGN. COEF. VAR	.403	.430	.430	.332	.421	.417	.410	.403	.402	.393	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.332	.421	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/D	1.325	1.116	2.053	2.455	2.383	2.757	2.807	2.294	3.391	3.733	4.369	.6143	1.0000
WP1/D	.2041	.2855	.3264	.3594	.3723	.4012	.4150	.4611	.5215	.5373	.6668	.9377	1.4393
WP2/D	.2452	.3506	.3987	.4189	.4493	.4584	.5459	.6143	.6751	.7591	.7935	1.0967	1.6342
WP5/D	.2740	.3908	.4496	.4600	.5052	.5367	.5791	.6061	.6797	.7466	.8120	1.2080	1.7672
RP1/D/10	.3141	.4463	.5017	.5121	.5594	.6022	.6539	.6641	.7423	.8152	.9447	1.3140	1.8917
RP10/D/10	.3773	.6112	.6705	.6667	.7342	.7894	.8185	.8461	.9373	.1.0246	1.1904	1.6416	2.2652
RP100/D/10	.4472	.7533	.9355	.9551	.9024	.9703	.9424	.9181	.1.0181	.1.2011	.1.2287	1.4206	1.9458
RP/M/D	.9334	1.3533	1.5389	1.4679	1.3745	1.8679	2.0768	2.1072	2.3840	2.6119	3.0125	4.2448	5.9800

STATION NO. BSN ORDER SUB 650 5268 0	STATION NAME MAIN STA SJW#	ELEV 100	SEC 07	TMP 075	RNG 01E	LOT H	LATITUDE 37°33'	LONGITUDE 121°88'	COUNTY CODE 43				
RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.44	1.95	2.07	2.30	2.47	2.46	3.00	3.27	3.88	4.28	5.10	7.46	13.34
5	2.05	2.49	2.99	3.07	3.43	3.79	4.22	4.57	5.49	6.19	7.05	10.29	17.40
10	2.42	3.27	3.57	3.74	4.23	4.65	5.00	5.41	6.16	6.87	7.65	10.73	17.56
20	3.27	4.56	5.00	5.43	5.84	6.16	6.67	7.09	7.67	8.25	9.05	12.45	19.36
50	4.74	6.27	7.11	7.54	8.21	8.78	9.34	9.86	10.43	11.01	12.50	15.47	21.37
100	5.71	7.62	8.67	9.17	10.20	11.00	11.84	12.72	13.61	14.54	15.94	18.97	25.67
200	6.59	8.49	9.48	10.17	11.24	12.17	13.01	13.89	14.69	15.49	16.37	18.29	24.07
500	11.09	15.49	17.16	18.49	19.77	21.17	23.14	24.69	26.97	29.17	31.75	37.33	54.37

MEAN	2.078	2.303	2.490	2.700	2.918	3.236	3.500	4.121	4.546	5.145	7.869	13.716	
CLOCK HR.	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.590	1.689	1.629	1.152	.993	.908	.814	.794	.626	.526	.456	.374	.411
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.772	6.757	6.243	5.229	4.319	4.420	4.420	4.191	3.259	3.005	3.005	3.415	2.786
4	6.0	6.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	0.0
RECORD TLEN	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919
RECORD MAXIMUM	3.120	5.120	5.840	5.850	5.850	6.650	7.200	7.78	8.150	8.810	11.330	16.050	23.550
NORMALIZED MAX	2.640	3.414	3.674	3.169	3.583	3.026	3.393	2.857	2.655	2.755	2.755	2.494	2.236
CALC. COEF. VAR	.372	.429	.418	.377	.378	.4637	.4637	.5345	.5667	.6577	.7225	.8536	.1.2272
REGN. COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/D	1.147	1.151	1.167	1.185	1.194	1.218	1.235	1.305	1.331	1.345	1.394	1.573	1.0000
CLOCK HR.	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.590	1.689	1.629	1.152	.993	.908	.814	.794	.626	.526	.456	.374	.411
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.772	6.757	6.243	5.229	4.319	4.420	4.420	4.191	3.259	3.005	3.005	3.415	2.786
4	6.0	6.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	0.0
RECORD TLEN	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919	1.919
RECORD MAXIMUM	3.120	5.120	5.840	5.850	5.850	6.650	7.200	7.78	8.150	8.810	11.330	16.050	23.550
NORMALIZED MAX	2.640	3.414	3.674	3.169	3.583	3.026	3.393	2.857	2.655	2.755	2.755	2.494	2.236
CALC. COEF. VAR	.372	.429	.418	.377	.37								

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC THW RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N 041W SUB E60 5637 U MIGUELITO AVE STA 59WW 470 25 005 01E 6 II 37°31'3.9" 121°8'17" 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1+7	1+7	2+11	2+33	4+53	7+78	11+10	14+4	20+9	4+58	5+47	9+49	14+96
5	2+07	2+7	4+04	11+11	4+11	3+36	4+37	6+8	5+7	6+16	7+56	11+44	19+52
10	2+18	4+29	3+71	3+64	4+34	4+76	5+14	5+66	6+69	7+67	8+56	13+36	22+15
20	2+66	3+85	4+33	4+15	5+02	5+49	5+94	6+47	7+61	8+49	10+04	15+09	24+45
50	2+97	4+04	4+53	4+31	5+23	5+72	6+17	6+70	7+80	8+79	10+41	15+52	25+14
40	3+22	4+62	4+94	4+59	5+68	6+20	6+29	7+21	8+40	9+43	11+16	16+71	26+55
50	3+34	4+81	5+14	4+79	5+89	6+23	6+80	7+44	8+70	9+72	11+50	17+21	27+19
100	3+69	5+15	5+73	5+26	7+12	7+47	8+61	9+26	10+50	12+55	15+22	21+11	31+11
200	4+14	6+52	6+59	5+33	7+14	7+50	7+94	10+33	11+54	13+58	20+17	30+92	
1000	4+82	9+93	7+66	6+79	8+55	9+34	11+75	12+39	12+03	13+39	15+81	23+38	34+85
10000	5+91	8+60	9+54	6+28	10+52	11+47	11+82	14+37	16+00	18+87	27+72	40+02	
PMP	11+33	15+60	17+55	15+39	20+27	22+09	23+90	25+91	30+59	34+01	40+02	60+46	92+01

MEAN	1+008	2+094	2+356	2+523	2+776	3+045	3+363	4+677	4+351	4+848	5+804	9+750	15+386
CLOCK HR. CUM.	1+100	1+70	1+000	1+020	1+011	1+000	1+000	1+000	1+000	1+000	1+000	1+000	1+000
CALCULATED SKW	2+12	0+97	1+10	2+00	2+94	1+27	1+21	1+75	1+67	1+48	2+18	4+95	
REGIONAL SKW	1+300	1+600	1+500	1+400	1+300	1+100	1+000	1+000	1+000	1+000	1+000	1+000	1+000
SKW USEU	1+300	1+600	1+500	1+400	1+300	1+100	1+000	1+000	1+000	1+000	1+000	1+000	1+000

KURTOSIS	7.774	3.008	4+019	3+256	4+139	5+805	5+653	4+552	3+877	3+028	2+914	2+316	2+111
N													
RECORD TEAM	1+42	1+62	1+92	1+92	1+71	1+92	1+42	1+27	1+42	1+92	1+71	1+62	1+42
RECORD MAXIMUM	3+550	3+767	4+620	4+650	5+564	4+880	7+260	7+09	8+861	9+240	9+900	14+040	26+380
NORMALIZED MAX	2+422	2+292	2+573	2+889	2+424	3+423	3+348	1+013	2+989	2+454	2+325	1+974	2+338
CALC. COEF. VAK	.413	.347	.341	.339	.340	.368	.356	.344	.347	.315	.303	.306	.306
REGN. COEF. VAK	.403	.431	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAK	.403	.431	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	

MEAN/A	.1045	.1361	.1531	.1640	.1804	.1979	.2173	.239	.2828	.3184	.3772	.5687	1+0000
RP10/A	.1049	.2139	.2409	.2308	.2819	.3084	.3368	.3861	.4350	.4854	.5757	.6881	1+4393
RP25/A	.1933	.2627	.2944	.2798	.3402	.3718	.4113	.4557	.5124	.5712	.6765	1+0153	1+6342
RP50/A	.2168	.2984	.3337	.3113	.3825	.4179	.4476	.4838	.5384	.6118	.7476	1+1183	1+7672
RP100/A	.2399	.3344	.3724	.4221	.4728	.5284	.5923	.5303	.619	.6871	.8567	1+1641	1+7147
RP1000/A	.3129	.4505	.4977	.4621	.5561	.6141	.6821	.7181	.7616	.8704	1+0278	.51597	2+2525
RP10000/A	.3412	.5644	.6201	.5788	.7430	.7457	.7683	.8126	.9341	1+1397	1+2266	1+0103	2+6007
RPM/A	.7383	1+141	1+1047	.9487	1+2171	1+4356	1+5534	1+6534	1+9888	2+2101	2+0010	3+4296	5+9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC THW RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N 041W SUB E60 5637 U MILLBERRY 245 1750 111 111 111 111 111 111 111 111 111 111 111 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5+02	6+78	7+93	8+53	9+63	10+18	11+23	12+23	13+56	15+20	17+47	25+39	43+73
5	7+04	9+43	11+47	12+25	14+75	14+51	15+41	16+11	16+92	21+12	24+85	34+88	57+04
10	9+45	11+48	14+21	14+41	14+75	14+51	14+56	16+21	23+25	24+29	28+12	40+73	64+73
20	14+76	16+27	17+17	17+10	20+21	21+51	23+00	25+23	26+14	33+02	46+01	71+47	
50	16+15	17+70	17+01	17+92	19+42	20+86	22+36	23+81	26+31	29+17	34+22	47+63	73+50
40	11+00	16+05	18+55	14+94	21+61	22+75	22+77	25+61	28+23	31+28	36+68	50+94	77+60
50	11+39	16+72	19+24	21+23	24+39	23+58	24+94	26+51	29+12	32+26	37+81	52+44	79+48
100	12+55	18+71	21+51	22+49	26+81	26+11	27+43	30+25	31+05	35+22	41+26	57+07	85+08
200	13+77	20+63	23+72	24+71	28+66	28+66	29+85	31+51	34+39	36+60	40+15	51+50	70+88
1000	20+11	31+9	35+82	36+43	40+02	42+67	46+81	44+54	47+98	53+09	62+04	64+51	114+97
PMP	3+67	5+75	6+59	6+28	7+11	8+09	8+56	9+27	10+22	11+26	13+15	19+43	28+95

MEAN/A	5+490	7+617	8+845	9+433	10+563	11+164	12+106	13+097	14+527	16+158	19+081	26+679	44+975
CLOCK HR. CUM.	1+100	1+040	1+020	1+010	1+010	1+000	1+000	1+000	1+000	1+000	1+000	1+000	1+000
CALCULATED SKW	1+027	1+194	1+230	1+035	1+226	1+080	1+530	1+212	1+022	1+140	1+024	.359	.581
REGIONAL SKW	1+300	1+600	1+500	1+400	1+300	1+100	1+000	1+000	1+000	1+000	1+000	1+000	1+000
SKW USEU	1+300	1+600	1+500	1+400	1+300	1+100	1+000	1+000	1+000	1+000	1+000	1+000	1+000

KURTOSIS	4+274	4+622	4+872	3+673	4+563	6+384	5+715	4+954	4+344	4+222	2+765	2+528	
N													
RECORD TEAM	.73	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33
RECORD MAXIMUM	10+63	17+33	20+82	20+99	31+55	32+120	34+450	36+449	40+000	44+500	73+710		
NORMALIZED MAX	10+04	2+757	2+881	3+027	3+277	3+493	3+389	3+163	3+046	2+953	2+398		
CALC. COEF. VAK	.404	.458	.470	.460	.461	.471	.460	.429	.434	.413	.371	.305	
REGN. COEF. VAK	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAK	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1221	.1694	.1967	.2097	.2349	.2482	.2692	.2912	.3230	.3593	.4243	.5932	1+0000
RP10/A	.1879	.2462	.3094	.3283	.3670	.3868	.4172	.4485	.4967	.5512	.6475	.9056	1+4393
RP25/A	.2258	.3269	.3782	.3985	.4428	.4797	.4972	.5309	.5851	.6446	.7608	.10591	1+6342
RP50/A	.2532	.3718	.4287	.4498	.4979	.5242	.5545	.5895	.6474	.774	.8408	.11665	1+7672
RP100/A	.2700	.4161	.4783	.5000	.5516	.5896	.6199	.6459	.7070	.7832	.9174	.12897	1+8917
RP1000/A	.3650	.6393	.6618	.7237	.7612	.7850	.8230	.8928	.9883	.1+599	.1+5832	.2+2852	
RP10000/A	.4487	.7264	.7965	.8169	.8599	.9355	.9518	.9893	1+6689	1+8402	1+7995	.18790	2+4074
RPM/A	.8599	1+2618	1+4652	1+5455	1+7146	1+8000	1+9247	2+0516	2+2707	2+5095	2+9253	4+0991	.5+9800

PEAKON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TRP RNG LAT MM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 175 0H 06S 01E H M 37°4.43 121°8.83 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	90	100	150	200	300	600	3650
2	1.91	2.31	2.53	2.69	2.91	3.14	3.54	3.83	4.47	5.12	6.05	8.96	16.20
5	2.99	3.34	3.56	3.97	4.10	4.47	4.99	5.36	6.23	7.11	8.30	12.36	21.33
10	3.21	4.07	4.44	4.60	4.99	5.36	5.92	6.39	7.32	8.34	9.82	14.43	23.97
20	3.76	4.78	5.19	5.42	5.70	6.20	6.79	7.21	8.31	9.47	11.13	15.30	26.47
25	3.86	5.00	5.43	5.66	6.03	6.46	7.00	7.44	8.62	9.82	11.54	16.88	27.22
40	4.18	5.47	5.92	6.15	6.54	7.01	7.19	8.05	9.24	10.53	12.36	18.59	28.74
50	4.33	5.69	6.15	6.39	6.77	7.26	7.87	8.31	9.54	10.86	11.85	19.44	29.44
100	4.79	7.04	7.57	7.10	7.51	8.04	8.66	9.41	10.41	11.85	13.41	20.22	31.51
200	5.23	7.45	7.95	7.49	8.22	8.91	9.77	11.25	12.82	13.43	15.43	21.79	33.74
1000	6.25	9.57	9.18	9.49	10.45	11.91	12.96	13.59	15.61	13.46	17.53	22.26	37.73
10000	7.67	10.74	11.44	11.63	12.11	13.52	13.99	15.71	17.87	20.92	29.94	41.32	
RPMP	14.69	19.30	21.00	21.87	23.33	24.95	27.33	28.91	33.49	37.04	44.36	65.32	99.61

	MEAN	2.056	2.591	2.824	2.977	3.106	3.439	3.822	4.103	4.754	5.477	6.333	9.453	16.657
CLOCK HR. COEF.	1.147	1.74	1.94	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
CALCULATED SKEW	-1.958												527	
REGIONAL SKEW	1.300	1.400	1.500	1.410	1.30	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SKEW USED	1.399	1.600	1.500	1.430	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300

	KURTOSIS	3.073	3.07	3.73	3.17	2.87	3.042	3.342	2.741	2.425	2.892	2.022	3.155	2.658
N	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
RECORD YEAR	1952	1951	1951	1951	1951	1951	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.400	4.550	5.340	5.30	5.770	6.310	7.430	7.430	7.880	9.590	11.140	17.160	26.870	
NORMALIZED MAX	1.730	2.163	2.590	2.260	2.272	2.456	2.707	2.377	2.000	2.249	2.110	2.430	1.870	
CALC. COEF. VAR	*3.63	*4.03	*3.94	*3.51	*3.55	*3.40	*3.49	*3.41	*3.27	*3.37	*3.47	*3.34	*3.28	
REGN. COEF. VAR	*4.03	*4.30	*4.30	*4.23	*4.20	*4.17	*4.10	*4.03	*4.02	*3.99	*3.93	*3.94	*3.32	
USED COEF. VAR	*4.03	*4.30	*4.30	*4.23	*4.20	*4.17	*4.10	*4.03	*4.02	*3.99	*3.93	*3.94	*3.32	

	MEAN/A	+1252	+1555	+1695	+1788	+1914	+2064	+2295	+2463	+2855	+3266	+3862	+5675	1.0000
HP100A	+1928	2.444	2.667	2.798	2.947	3.217	3.594	3.794	4.394	5.008	5.894	8.863	14.393	
RP25A	+2316	3.02	3.260	3.396	3.617	3.879	4.236	4.491	5.174	5.893	6.926	1.031	1.6342	
RP50A	+598	*414	3.695	3.883	*4.05	4.360	4.727	5.087	5.725	6.518	7.654	1.2130	1.7672	
RP100A	+2872	3.621	4.123	4.251	4.506	4.829	5.199	5.666	6.625	7.116	8.351	1.2139	1.8917	
RP1000A	+3752	5147	5510	5640	5911	6130	6692	7.895	8.979	1.0522	1.5165	2.2652		
RP10000A	+6450	5686	6980	7269	7786	8114	1.4370	1.943	1.0726	1.2557	1.7975	2.6007		
RPMP	+8821	1.1587	1.2630	1.3124	1.4005	1.4977	1.6449	1.7355	2.0079	2.2801	2.4629	3.9214	5.9800	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TRP RNG LAT MM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 175 0H 06S 01E H M 37°2.00 121°9.83 43

RETURN PERIOD IN YEARS	10	20	30	40	50	60	90	100	150	200	300	600	3650
2	3.68	4.66	5.60	6.50	6.75	7.22	7.97	8.61	9.91	10.89	12.71	18.05	29.98
5	5.18	7.05	8.47	8.57	9.14	10.29	11.23	12.04	13.79	15.11	17.57	24.89	39.10
10	6.19	7.47	8.83	10.14	11.57	12.80	13.49	14.10	15.70	17.60	20.60	27.07	41.17
20	7.14	10.05	11.49	11.54	13.39	14.27	15.79	16.20	18.40	20.16	23.35	32.84	48.99
25	7.44	11.53	12.01	11.99	13.96	14.88	15.88	16.81	19.08	20.90	24.20	33.99	50.38
40	8.05	11.51	13.10	12.90	15.15	16.13	16.18	18.04	20.47	22.41	25.94	36.35	53.19
50	8.74	11.98	13.62	13.33	15.77	16.72	17.71	18.67	21.11	23.11	26.74	37.45	54.48
100	9.22	13.46	15.19	14.65	17.39	18.52	19.48	20.44	23.06	25.23	29.19	40.73	58.32
200	10.09	14.82	16.54	15.85	18.60	20.28	21.21	22.74	24.94	27.28	31.52	43.34	63.34
500	12.05	20.26	21.31	20.26	24.06	26.08	26.80	26.16	29.71	31.77	37.89	58.99	89.93
1000	14.78	27.62	25.30	23.04	24.06	29.84	30.41	31.36	34.79	38.03	43.88	60.31	80.17
RPMP	28.32	41.65	46.55	42.00	54.06	57.44	61.49	64.97	74.05	80.85	93.05	131.58	184.35

	MEAN	4.020	5.456	6.247	7.024	7.405	7.917	8.600	9.222	10.534	11.574	13.496	19.042	30.828
CLOCK HR. COEF.	1.146	1.07	1.040	1.020	1.00	1.010	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.156	1.428	1.500	1.618	2.056	2.345	2.496	2.369	1.754	1.587	1.385	1.783	.577		
1.300	1.600	1.500	1.480	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	
1.300	1.600	1.500	1.480	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	

	KURTOSIS	4.873	5.392	5.659	6.182	9.822	12.125	13.514	13.008	8.542	7.263	6.127	3.758	3.075
N	59	59	59	59	59	59	59	59	59	59	59	59	59	59
RECORD YEAR	1952	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958
RECORD MAXIMUM	8,450	11,950	15,170	18,300	22,780	26,180	28,930	29,22	30,040	31,700	34,840	42,050	56,360	
NORMALIZED MAX	2,759	2,717	3,218	3,484	4,527	5,072	5,024	4,399	4,165	3,962	3,152	2,368		
CALC. COEF. VAR	.399	.438	.464	.463	.459	.477	.466	.432	.421	.418	.399	.383	.350	
REGN. COEF. VAR	*4.03	*4.30	*4.30	*3.32	*4.20	*4.17	*4.10	*4.03	*4.02	*3.99	*3.93	*3.94	*3.32	
USED COEF. VAR	*4.03	*4.30	*4.30	*3.32	*4.20	*4.17	*4.10	*4.03	*4.02	*3.99	*3.93	*3.94	*3.32	

	MEAN/A	.1304	.1770	.2026	.2279	.2402	.2568	.2790	.2991	.3417	.3754	.4378	.6177	1.0000
HP100A	.2008	.2781	.3188	.3290	.3753	.4002	.4223	.4607	.5256	.5760	.6681	.9429	1.4393	
HP25A	.2412	.3416	.3896	.3888	.4530	.4826	.5152	.5454	.619n	.6778	.7850	1.1027	1.6342	
RP50A	.2705	.3885	.4417	.4325	.5093	.5424	.5744	.6056	.6849	.7497	.8676	1.2146	1.7672	
RP100A	.2991	.4348	.4929	.4753	.5642	.6007	.6320	.6635	.7479	.8185	.9466	1.3212	1.9817	
RP1000A	.3908	.5857	.6587	.6133	.7403	.7876	.8136	.8454	.9445	.1.0328	1.1927	1.6505	2.2652	
RP10000A	.4793	.7333	.8207	.7473	.9162	.9670	.9863	.1.0173	.1.287	1.2337	1.4234	1.9568	2.6007	
RPMP	.918	1.3185	1.5059	1.3625	1.7537	1.6833	1.9948	2.0174	2.0422	2.6225	3.0184	4.2682	5.9300	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
E60 5844 0 STATION NAME MORGAN HILL ZE  
FLR V SFC TAP RNG LDT HMM LATITUDE LONGITUDE COUNTY CODE  
225 0.05 0.3E M 37.133 121.617 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	2.12	4.49	3.26	4.67	3.91	4.73	5.18	5.80	6.63	7.89	11.34	19.01	
5	2.27	4.20	3.71	4.13	5.56	5.98	6.66	7.23	8.08	9.21	10.91	15.64	
10	2.40	5.12	5.72	5.18	5.70	7.17	7.91	8.54	8.63	10.82	12.78	18.26	
20	4.50	6.61	6.68	7.19	7.75	8.29	9.07	9.73	10.78	12.28	14.49	20.63	
25	4.69	6.29	6.99	7.50	8.08	8.65	9.43	10.1	11.17	12.73	15.02	21.36	
50	6.00	6.87	7.62	8.16	9.78	9.38	9.60	10.87	11.99	13.65	16.10	22.64	
50H	5.26	7.15	7.92	8.47	9.69	9.72	10.51	11.22	12.36	14.09	16.60	23.52	
100	8.42	8.00	8.64	9.24	10.06	10.41	11.54	12.60	13.57	18.14	25.59	36.99	
200	8.45	8.95	9.74	11.36	11.79	12.59	13.33	14.61	15.57	18.57	20.59	35.29	
1000H	7.60	10.78	11.81	12.6	13.20	14.11	14.88	15.66	17.05	19.39	22.92	31.97	
10000	9.32	13.51	14.71	15.2	16.24	17.34	18.05	18.85	20.38	23.16	27.23	37.89	
PMP	17.4	24.27	27.07	28.00	31.29	33.38	36.49	39.04	43.37	49.24	57.74	82.66	
MEAN	2.525	3.258	3.633	3.949	4.285	4.601	5.184	5.562	6.169	7.049	8.374	11.963	
CLOCK HR. CDF+	1.140	1.170	1.040	1.120	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKW	1.442	2.119	1.939	1.593	1.294	1.360	1.293	1.214	1.106	1.092	1.093	.816	
REGIONAL SKW	1.310	1.600	1.500	1.400	1.300	1.400	1.400	1.000	1.000	1.000	1.000	.500	
USED SKW	1.300	1.600	1.500	1.400	1.300	1.400	1.400	1.000	1.000	1.000	1.000	.500	

KURTOSIS	4.269	7.455	7.159	5.673	4.403	4.14	4.320	4.032	3.670	3.484	3.954	3.762	2.867
N	7	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1943	1963	1963	1963	1954	1954	1956	1963	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.490	8.700	9.290	10.031	10.031	11.220	11.820	11.900	12.98	14.390	17.740	24.420	34.120
NORMALIZED MAX	2.489	3.764	3.139	2.949	2.597	2.774	2.562	2.444	2.291	2.353	2.641	2.629	2.131
CALC. COEF. VAR	.467	.545	.557	.516	.516	.519	.513	.469	.482	.443	.422	.396	.350
REGN. COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.413	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.297	1.668	1.854	2.020	2.192	2.153	2.111	2.035	2.155	2.360	2.428	6.118	1.0000
RP10/A	1.937	2.718	2.923	3.162	3.424	3.667	4.046	4.366	4.653	5.531	6.537	9.340	1.4393
RP25/A	2.394	3.216	3.173	3.437	3.133	4.422	4.822	5.168	5.715	6.569	7.681	1.0293	1.6324
RP50/A	2.590	3.458	3.050	3.331	3.464	4.970	5.377	5.739	6.324	7.199	8.489	1.2032	1.7672
RP100/A	2.975	4.933	5.114	4.815	5.148	5.594	5.914	6.287	6.965	7.864	9.281	1.3088	1.4171
RP1000/A	3.847	5.514	6.040	6.373	6.754	7.216	7.613	8.111	8.721	9.918	1.1210	1.6500	2.2652
RP10000/A	4.767	8.693	7.525	7.886	8.314	9.484	9.230	9.640	10.024	11.847	13.927	1.9380	2.4007
RPMM/A	9.136	12.413	13.843	14.435	15.000	17.072	18.665	19.977	21.216	25.184	2.9333	4.2278	5.9500

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
E60 5897 1 STATION NAME MOUNTAIN VIEW  
FLEV SFC TAP RNG LDT HMM LATITUDE LONGITUDE COUNTY CODE  
613 75 21 045 024 H M 37.3M3 122.043 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	1.73	2.12	2.41	2.65	2.84	3.18	3.48	3.78	4.37	4.82	5.67	6.14	14.63
5	2.44	3.07	3.49	3.76	4.16	4.75	5.28	5.69	6.85	7.25	7.85	10.00	21.65
10	2.49	2.73	3.23	3.44	3.79	4.24	4.74	5.24	5.81	6.25	7.15	9.20	21.11
20	3.17	4.39	4.94	5.39	5.63	6.18	6.69	7.11	8.12	8.91	10.43	14.41	23.90
25	3.51	4.59	5.17	5.57	5.87	6.34	6.94	7.38	8.42	9.24	10.88	15.33	24.58
40	5.96	6.02	5.64	6.08	6.37	6.88	7.07	7.94	9.05	9.91	11.58	16.39	25.95
50	3.93	5.92	5.86	6.25	6.61	7.13	7.74	8.20	9.32	10.22	11.94	16.88	26.58
100	4.35	5.84	6.54	6.99	7.31	7.80	8.52	8.98	10.18	11.16	13.03	16.37	24.45
200	4.76	6.95	7.21	7.68	8.02	8.64	9.27	9.74	11.20	12.04	14.09	17.99	30.32
1000	5.68	7.87	8.42	9.25	9.86	10.35	11.06	11.64	12.85	14.18	16.62	22.94	30.07
10000	6.37	9.66	10.89	11.48	11.81	12.72	13.29	13.77	15.36	16.82	19.59	27.20	39.12
RPMM	13.35	17.71	20.03	21.59	22.75	24.84	26.59	28.52	32.67	35.75	41.54	59.33	89.95
MEAN/A	1.396	2.377	2.689	2.932	3.116	3.375	3.759	4.049	4.650	5.118	6.025	8.586	15.042
CLOCK HR. CDF+	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.344	1.146	1.223	1.489	1.924	1.876	1.953	1.990	2.123	2.135	2.328	1.2025	.924
REGIONAL SKW	1.360	1.600	1.500	1.400	1.400	1.400	1.400	1.000	1.000	1.000	1.000	1.000	.500
USED SKW	1.300	1.600	1.400	1.300	1.300	1.300	1.300	1.000	1.000	1.000	1.000	1.000	.500

KURTOSIS	5.567	4.906	4.926	5.821	5.959	6.172	7.411	7.852	5.374	4.794	5.093	4.443	4.052
N	89	89	89	89	89	89	89	89	89	89	89	89	89
RECORD YEAR	1911	1911	1911	1913	1916	1916	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	4.480	5.434	6.080	7.090	7.410	10.000	11.670	11.810	12.560	12.970	15.260	20.620	31.400
NORMALIZED MAX	3.288	3.687	3.083	3.337	3.687	4.311	4.847	4.953	4.695	3.492	3.591	3.199	3.012
CALC. COEF. VAR	.434	.416	.409	.424	.417	.455	.434	.421	.415	.439	.439	.438	.361
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.260	1.580	1.788	1.949	2.071	2.244	2.499	2.691	.3092	.3403	.4005	.5708	1.0000
RP10/A	1.940	2.433	2.813	3.051	3.236	3.496	3.873	4.145	.4756	.5220	.6113	.6714	1.4393
RP25/A	2.371	3.505	3.937	3.703	3.906	4.216	4.616	4.907	.5660	.6143	.7183	1.0190	1.6342
RP50/A	2.514	3.469	3.897	4.180	4.371	4.738	5.147	5.649	.6196	.6794	.7938	1.1225	1.7672
RP100/A	2.891	3.882	4.348	4.646	4.865	5.268	5.662	6.176	.7411	.8661	.9224	1.4971	2.4052
RP1000/A	3.777	5.229	5.811	4.150	4.630	5.020	5.67	6.255	.9016	1.013	1.0344	1.5252	2.6007
RP10000/A	4.527	7.529	7.701	7.186	7.446	8.836	9.153	1.0212	1.1190	1.3024	1.8090	2.6007	
RPMM/A	.9479	1.1771	1.3519	1.4317	1.5212	1.6277	1.7869	1.8961	2.1737	2.3767	2.6717	3.9443	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
850 ORDER Sub E60 7821 0 SAN JOSE 76 075 01E M 37.350 121.900 43

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.53	1.88	2.08	2.30	2.44	2.68	2.98	3.22	3.80	4.25	4.96	7.38	13.45	
5	2.16	2.72	3.01	3.30	3.56	3.82	4.20	4.51	5.29	5.90	6.86	10.17	17.54	
10	2.58	3.31	3.66	3.98	4.27	4.57	4.99	5.32	6.21	6.93	8.05	11.88	19.90	
20	2.97	3.68	4.27	4.63	4.96	5.29	5.71	6.06	7.05	7.87	9.12	13.42	21.97	
40	3.15	4.04	4.87	5.40	4.84	5.15	5.52	5.94	6.29	7.32	8.16	13.89	22.60	
50	3.47	4.62	5.06	5.48	5.79	6.20	6.62	6.99	8.10	9.02	10.45	15.20	23.86	
50	3.84	5.17	5.65	6.07	6.42	6.87	7.28	7.66	8.84	9.85	11.40	16.65	24.44	
200	4.20	5.72	6.23	6.67	7.03	7.52	7.93	8.31	9.56	10.65	12.32	17.94	27.79	
1000	5.02	6.97	7.55	8.03	8.42	9.00	9.38	9.76	11.16	12.43	14.34	20.80	31.32	
10000	6.16	8.73	9.41	9.94	10.35	11.06	11.37	11.74	13.34	14.84	17.14	24.65	35.96	
PMP	11.88	15.69	17.31	18.67	19.49	21.29	22.99	24.32	26.89	31.55	36.35	53.78	82.69	

MEAN	1.675	2.106	2.324	2.545	2.732	2.935	3.216	3.453	4.039	4.517	5.271	7.782	13.828
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.890	1.872	1.820	1.757	1.367	1.154	.887	.662	.584	.976	.962	1.160	.414
REGIONAL SKEW	1.300	1.600	1.500	1.430	1.300	1.300	1.100	1.000	.900	.900	.800	.800	.500
SKEW USED	1.300	1.600	1.500	1.430	1.300	1.300	1.100	1.000	.900	.900	.800	.800	.500

KURTOSIS	7.533	7.263	7.592	7.742	5.403	5.105	3.652	3.340	2.971	4.852	4.388	5.852	2.438
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1919	1919	1919	1911	1911	1911	1911	1911	1911	1911	1911	1911	1973
RECORD MAXIMUM	4.300	5.750	6.220	6.960	7.030	7.420	7.470	7.480	8.10	11.690	12.910	20.640	23.350
NORMALIZED MAX	3.442	3.677	3.774	4.104	3.500	3.735	3.429	3.101	3.047	3.953	3.711	4.201	2.185
CALC. COEF. VAR	.455	.471	.444	.423	.409	.469	.386	.375	.388	.402	.391	.393	.315
REGN. COEF. VAR	.403	.437	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1211	.1523	.1680	.1841	.1975	.2123	.2325	.2497	.2921	.3267	.3812	.5628	1.0000
RDP100/A	.1461	.1939	.2081	.2086	.2330	.3364	.3846	.4493	.5012	.5581	.8591	1.4393	
RDP200/A	.2260	.2491	.2931	.3077	.3077	.4295	.4545	.5869	.6167	.6167	1.0041	1.6362	
RDP500/A	.2723	.3343	.3663	.3947	.4488	.4483	.4388	.5055	.5554	.5554	.7555	1.0727	
RDP1000/A	.2778	.3741	.4071	.4388	.4389	.4965	.5258	.5593	.6393	.7122	.8243	1.2038	
RDP10000/A	.3630	.5039	.5402	.5808	.6087	.6590	.6781	.7056	.8073	.8986	.1.0368	1.5039	
RDP100000/A	.4452	.6315	.6805	.7187	.7484	.8000	.8222	.8491	.9648	.1.0734	.1.2395	1.7826	
RDPH/A	.8532	1.1344	1.2519	1.3519	1.4420	1.5599	1.6667	1.7590	2.0533	2.2819	2.6284	3.8888	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
850 ORDER 548 E60 7824 1 SAN JOSE DECIO FRUIT STA 90 15 075 01M J M 37.317 121.950 43

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.71	2.02	2.21	2.38	2.59	2.81	3.25	3.51	4.12	4.62	5.51	8.22	14.03	
5	2.61	2.93	3.19	3.39	3.70	4.01	4.59	4.91	5.73	6.42	7.63	11.33	18.30	
10	2.88	3.57	3.87	4.09	4.44	4.81	5.44	5.79	6.73	7.54	8.93	13.23	20.77	
20	3.32	4.19	4.53	4.75	5.13	5.56	6.24	6.66	7.65	8.55	10.13	14.95	22.93	
25	3.46	4.39	4.73	4.98	5.35	5.80	6.49	6.86	7.93	8.87	10.50	13.46	23.58	
40	3.71	4.80	5.14	5.40	5.81	6.29	6.61	7.37	8.50	9.51	11.25	16.55	24.90	
50	3.88	4.99	5.37	5.60	6.02	6.51	7.01	7.61	8.71	9.81	11.51	17.80	25.50	
100	4.29	5.58	5.99	6.23	6.67	7.22	7.94	8.34	9.54	10.71	12.66	18.84	29.30	
200	4.70	6.17	6.60	6.84	7.30	7.90	8.66	9.05	10.36	11.58	13.68	19.98	29.20	
1000	5.61	7.52	8.00	8.24	8.75	9.44	10.24	10.63	12.05	13.51	15.95	23.17	32.69	
10000	6.88	9.42	9.97	10.20	10.70	11.63	12.42	12.79	14.45	16.14	19.07	27.46	37.53	
PMP	13.19	16.93	14.34	19.19	20.73	22.38	25.11	26.49	30.76	34.31	40.37	59.90	86.29	

MEAN	1.672	2.272	2.462	2.612	2.839	3.085	3.512	3.760	4.376	4.912	5.855	8.669	14.430
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.894	.562	.585	.724	.914	.1.395	.1.667	.1.401	.1.040	.899	.990	.675	.745
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	3.206	2.965	2.793	3.392	4.352	6.555	7.686	6.197	4.227	3.660	3.586	2.639	3.126
N	31	31	31	31	31	31	31	31	31	31	31	31	31
RECORD YEAR	1937	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941
RECORD MAXIMUM	2.450	3.990	4.390	5.200	6.060	7.340	8.550	8.64	9.040	9.500	11.470	15.030	26.490
NORMALIZED MAX	1.547	2.457	2.123	2.634	2.967	3.431	3.658	3.433	2.838	2.512	2.669	2.077	2.513
CALC. COEF. VAR	.338	.368	.369	.376	.382	.402	.392	.378	.372	.367	.353	.333	
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1297	.1575	.1706	.1810	.1968	.2138	.2434	.2606	.3033	.3444	.4058	.6008	1.0000
RDP100/A	.1994	.2475	.2684	.2824	.3074	.3331	.3772	.4013	.4665	.5222	.6193	.9171	1.4393
RDP200/A	.2309	.3109	.3262	.3440	.3701	.4071	.4495	.4751	.5493	.6145	.7277	1.0724	1.6342
RDP500/A	.2691	.3267	.3139	.3692	.4167	.4474	.4751	.5075	.5707	.6437	.7420	.8774	1.1672
RDP1000/A	.2976	.3869	.4149	.4135	.4621	.5000	.5514	.5789	.6639	.7420	.8774	.8251	.6977
RDP10000/A	.3898	.5211	.5545	.5712	.6063	.6555	.7097	.7364	.8382	.9263	.1.0156	1.6054	2.2652
RDPH/A	.4768	.6530	.6909	.7068	.7454	.8065	.8861	.1.0017	.1.1185	.1.3194	.1.9029	2.0007	
RDP100000/A	.9139	1.1731	1.2710	1.3297	1.4363	1.5510	1.7402	1.8357	2.1319	2.3776	2.7980	4.1512	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E60 7912 U SANTA CLARA UNIVERSITY 45 02 0/5 11# P M 37°34' 121°44' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION L=DAYS M=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION L=DAYS M=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.65	2.00	2.23	2.44	2.65	2.84	3.19	3.45	4.06	4.49	5.28	7.79	14.17
5	2.33	2.90	3.23	3.50	3.79	4.05	4.49	4.86	5.66	6.23	7.30	10.75	18.49
10	2.78	3.54	3.92	4.22	4.55	4.85	5.33	5.89	6.64	7.32	8.56	12.55	20.98
20	3.20	4.15	4.58	4.91	5.26	5.62	6.11	6.49	7.55	8.31	9.71	14.18	23.16
25	3.34	4.36	4.79	5.12	5.49	5.85	6.35	6.73	7.83	8.61	10.05	14.68	23.82
40	3.47	4.45	4.88	5.22	5.59	5.96	6.45	6.84	7.92	8.70	10.10	15.17	25.15
50	3.74	4.94	5.43	5.78	6.17	6.58	7.00	7.44	8.66	9.53	11.12	16.17	26.76
100	4.14	5.53	6.06	6.43	6.84	7.29	7.79	8.19	9.66	10.40	12.13	18.95	27.57
200	4.53	6.11	6.68	7.06	7.49	7.98	8.48	8.89	10.23	11.75	13.11	18.95	29.29
1000	5.41	7.45	8.10	8.51	9.67	10.03	10.44	11.94	13.12	15.26	21.97	33.02	
10000	6.63	9.33	10.99	11.53	11.03	11.75	12.16	12.56	14.27	15.65	18.24	26.04	37.91
PMP	12.71	16.77	18.55	19.40	21.24	22.60	24.66	26.02	30.37	33.32	34.68	36.82	37.16
MEAN	1.804	2.250	2.491	2.696	2.810	3.115	3.440	3.694	4.320	4.771	5.609	8.222	14.575
CLOCK MR. COR.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.739	1.497	1.982	1.717	1.545	1.379	1.391	1.165	.831	1.182	1.263	1.086	.585
REGIONAL SKEW	1.306	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
KURTOSIS	6.425	8.456	8.582	7.341	6.467	5.734	5.806	6.727	3.411	4.965	4.939	4.660	2.840
N	.77	.77	.77	.77	.76	.77	.77	.77	.77	.77	.77	.77	.78
RECORD YEAR	1919	1919	1911	1911	1911	1911	1956	1956	1911	1911	1911	1911	1915
RECORD MAXIMUM	4.370	6.110	6.440	6.920	7.340	7.470	8.430	8.450	8.870	11.700	13.440	19.910	26.970
NORMALIZED MAX	3.088	3.881	3.914	4.029	3.937	3.578	3.784	3.489	2.864	3.832	3.705	3.729	2.557
CALC. COEF. VAR	.461	.442	.405	.389	.387	.391	.383	.360	.368	.379	.377	.381	.333
REGN. COEF. VAR	.464	.436	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1237	.1544	.1769	.1850	.1997	.2137	.2360	.2534	.2964	.3273	.3846	.5641	1.0000
RPI10/A	.1515	.2426	.2688	.2846	.3129	.3331	.3659	.3903	.4559	.5222	.5874	.8122	1.4393
RPI25/A	.2567	.4250	.4786	.5136	.5715	.6125	.6439	.6789	.7510	.8152	.8722	.9712	1.6342
RPI50/A	.5667	.9309	.1274	.2067	.4233	.4516	.4622	.5130	.5940	.7627	.8103	.9576	1.9702
RPI100/A	.2839	.3793	.4156	.4690	.4699	.4999	.5457	.5621	.6487	.7136	.8321	.1.2067	1.6917
RPI1000/A	.3709	.5109	.5554	.5437	.6153	.6554	.6883	.7192	.8192	.9004	1.0485	1.5075	2.2552
RPI10000/A	.4549	.6492	.6920	.7223	.7565	.8055	.8346	.8616	.9799	.1.0759	1.2513	1.7669	2.6007
PHP/A	.8718	1.1502	1.2731	1.3547	1.4576	1.5505	1.6877	1.7851	2.0436	2.2864	2.6535	3.8981	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E60 7998 2 SARATOGA GAP 262 2670 M 37°26' 122°12' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	5.51	7.32	8.66	9.31	10.27	11.03	12.30	13.44	15.34	16.84	20.13	30.08	52.69	
5	7.77	10.61	12.53	13.37	14.66	15.71	17.34	18.84	21.41	23.39	27.83	41.48	68.73	
10	9.29	12.92	15.20	16.12	17.60	18.64	20.58	22.23	25.16	27.46	32.62	48.43	77.99	
20	10.70	15.18	18.74	20.37	21.79	23.59	25.35	28.57	31.17	36.99	54.72	86.10		
25	11.15	15.17	18.57	19.56	21.23	22.71	24.53	26.31	29.62	32.32	33.31	36.64	88.35	
40	12.07	17.35	20.26	21.27	23.03	24.63	24.98	26.29	31.37	34.65	41.08	60.47	91.49	
50	13.52	18.69	21.95	22.74	24.67	26.45	27.75	29.35	32.78	35.74	39.37	62.39	95.76	
100	15.22	20.69	25.03	27.24	29.67	30.97	32.56	35.07	38.80	42.80	46.22	67.87	102.50	
200	15.12	22.33	25.90	26.96	29.96	32.75	34.72	38.71	42.18	49.94	73.13	108.89		
1000	18.16	27.22	31.90	32.48	34.70	37.06	38.72	40.76	45.29	49.23	58.23	84.78	122.74	
10000	22.15	34.10	39.12	40.20	42.67	45.55	46.95	49.08	54.02	58.81	69.50	109.50	140.92	
PMP	42.45	61.27	71.96	75.61	82.21	87.69	94.95	101.67	114.97	145.01	147.37	219.24	324.03	
MEAN	6.026	8.244	9.659	11.295	11.262	12.087	12.279	14.431	16.354	17.897	21.374	31.727	54.185	
CLOCK MR. CUR.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.000	1.138	1.159	1.095	1.595	1.894	2.122	1.992	1.542	1.384	.993	.716	.593	
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500	
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500	
KURTOSIS	4.010	3.497	3.672	3.832	6.821	6.598	10.324	9.532	7.035	5.980	4.707	3.121	2.542	
N	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941	
RECORD MAXIMUM	11.180	15.690	19.450	22.670	30.130	34.640	38.280	39.190	40.700	42.350	46.222	64.740	89.880	
NORMALIZED MAX	2.152	1.060	2.240	2.633	3.418	3.667	3.928	3.834	3.512	3.301	3.086	2.448	1.899	
CALC. COEF. VAR	.398	.463	.452	.457	.490	.509	.479	.447	.424	.414	.377	.419	.349	
REGN. COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332	
USED COEF. VAR	.463	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332	
MEAN/A	.1112	.1518	.1763	.1900	.2078	.2231	.2451	.2663	.3018	.3303	.3945	.5855	1.0000	
RPI10/A	.1712	.2395	.2805	.2974	.3247	.3476	.3798	.4002	.4643	.5097	.6020	.8938	1.193	
RPI25/A	.2057	.2929	.3428	.3670	.3947	.4476	.4756	.5048	.5392	.5993	.7074	1.0454	1.6342	
RPI50/A	.2307	.3727	.4235	.4674	.4967	.5446	.5747	.6048	.6595	.7817	1.1514	1.7673		
RPI100/A	.2301	.3729	.4237	.4672	.4968	.5441	.5727	.5552	.5908	.6600	.7200	.8529	1.2515	1.8917
RPI1000/A	.3333	.5023	.5794	.5995	.6094	.6890	.7147	.7527	.8342	.9084	1.0747	1.5647	2.2652	
RPI10000/A	.4098	.6294	.7219	.7418	.7874	.8479	.8665	.9057	.9969	1.0853	1.2826	1.8547	2.6007	
PHP/A	.7834	1.1307	1.3281	1.3955	1.5172	1.6183	1.7853	1.8763	2.1210	2.3071	2.7198	4.0461	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUM E60 7998 43	STATION NAME SAKATOGA	ELEV 420	SEC 01	TMP 0RS	RNG 02W	LOT M	LATITUDE 37.272	LONGITUDE 122.028	COUNTY 43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION L-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	7.62	4.96	5.62	6.13	6.63	7.01	7.64	8.17	9.72	10.54	12.69	17.05	28.41
5	5.11	7.18	8.13	8.80	9.47	9.99	10.76	11.41	13.53	14.64	16.69	23.52	37.05
10	6.10	5.74	9.86	11.61	11.30	11.98	12.77	13.47	15.90	17.19	19.56	27.46	42.05
20	7.03	11.26	11.53	12.34	13.15	13.88	14.64	15.56	14.05	19.51	22.18	31.02	46.42
50	7.93	11.74	13.16	13.80	14.15	15.18	15.92	16.59	17.21	21.24	22.63	34.34	47.4
50	7.93	11.74	13.15	14.01	14.87	15.67	15.51	17.14	20.09	21.69	22.63	34.34	50.41
50	8.22	12.21	13.66	14.54	15.42	16.24	16.98	17.70	20.72	22.37	25.40	35.37	51.63
100	9.09	13.67	15.25	16.16	17.04	17.94	18.67	19.39	22.63	24.42	27.71	38.48	55.26
200	9.94	15.11	16.81	17.76	18.71	19.70	20.33	21.04	24.47	26.40	29.95	41.47	58.71
1000	11.87	18.41	20.38	21.39	22.41	23.54	24.04	24.71	26.57	30.02	34.92	48.07	66.18
10000	14.56	23.07	25.39	26.87	27.55	28.94	29.14	29.73	34.15	36.81	56.98	75.98	
PHP	27.40	41.45	46.71	49.80	53.09	55.74	58.94	61.59	72.67	76.25	88.37	124.30	174.70

MEAN	5.584	6.269	6.760	7.273	7.699	8.244	8.743	10.338	11.203	12.818	17.989	29.214
CLOCK HR. COR.	1.140	1.777	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.132	1.277	1.370	.992	.870	.731	.621	.467	.555	.498	.574	.531
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	3.804	4.377	4.822	5.602	5.692	6.263	6.361	2.413	3.109	2.900	3.024	2.645	3.976
N	.36	.36	.36	.38	.36	.36	.36	.36	.36	.36	.36	.36	.36
RECORD YEAR	1943	1938	1943	1943	1943	1943	1943	1943	1938	1938	1938	1938	1941
RECORD MAXIMUM	7.030	11.400	13.380	13.670	13.830	13.980	14.000	15.36	20.690	21.930	24.250	32.000	55.480
NORMALIZED MAX	1.958	2.066	2.689	2.677	2.209	2.080	2.094	2.094	2.511	2.542	2.702	2.866	2.676
CALC. COEF. VAR	.398	.425	.425	.407	.393	.393	.393	.392	.370	.376	.364	.364	.336
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.393	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.393	.332

MEAN/A	+1.95	+2.16	+2.32	+2.32	+2.49	+2.63	+2.61	+2.413	+3.109	+2.900	+3.024	+2.645	+3.976
RP10/A	+2.005	3.376	3.432	3.432	3.494	3.543	3.543	3.494	3.650	3.650	3.650	3.650	3.650
RP50/A	+2.07	3.167	4.120	4.449	4.494	5.211	5.580	5.641	6.933	7.867	10.993	12.390	14.393
RP200/A	+2.013	4.181	4.677	5.279	5.595	5.812	6.059	7.092	7.657	8.694	11.210	13.672	16.972
RP1000/A	+3.110	4.679	5.219	5.532	5.847	6.159	6.539	6.634	7.745	8.359	9.485	13.171	19.917
RP10000/A	+4.953	6.603	6.975	7.322	7.873	8.671	9.288	8.454	9.780	11.0548	1.1952	1.6455	2.2652
RP100000/A	+4.953	7.898	8.691	9.061	9.432	9.919	9.976	1.0177	1.1688	1.2600	1.4264	1.9504	2.6007
PHP/A	.9551	1.4189	1.5988	1.7045	1.8173	1.9094	2.0174	2.1084	2.4876	2.6785	3.0247	4.2549	5.9800

STATION NO. BSN ORDER SUM E60 8068 0	STATION NAME SEASVILLE LAKE	ELEV 350	SEC 12	TMP 005	RNG 03H	LOT M	LATITUDE 37.400	LONGITUDE 122.233	COUNTY CODE
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS									

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.54	3.37	3.89	4.32	4.83	5.24	5.95	6.59	7.76	8.43	9.67	14.74	25.34
5	3.59	4.89	5.63	6.19	6.90	7.47	8.38	9.21	10.80	11.70	13.37	20.32	33.05
10	4.28	5.95	6.83	7.47	8.28	8.95	9.95	10.86	12.69	13.74	15.66	23.73	37.50
20	6.04	6.98	7.99	8.68	9.68	10.35	11.40	12.39	14.41	15.60	17.81	26.81	41.40
50	7.57	7.31	8.34	9.07	9.99	10.79	12.00	12.86	14.64	16.14	18.11	21.75	42.38
50	5.57	7.21	9.46	10.23	10.96	11.70	12.50	13.83	16.03	17.34	19.73	20.58	44.96
50	5.77	8.21	9.46	10.23	12.13	13.22	14.28	16.53	17.98	20.34	30.57	46.05	
100	6.38	9.30	11.55	11.37	12.45	13.43	14.55	15.65	18.05	19.53	21.29	31.25	49.29
200	6.99	11.28	11.63	12.59	13.65	14.71	15.83	16.97	19.53	21.11	23.93	35.84	52.36
1000	8.33	12.53	14.11	15.05	16.33	17.61	18.72	19.93	22.80	24.64	27.46	41.54	59.02
10000	10.22	15.79	17.57	18.63	20.08	21.65	22.70	23.99	27.25	29.43	33.37	46.24	67.76
PHP	19.59	28.20	32.33	35.05	38.69	41.67	45.90	57.95	62.56	70.77	107.42	155.81	

MEAN/A	2.781	3.786	4.339	4.771	5.300	5.744	6.419	7.054	8.249	8.957	10.263	15.546	26.056
CLOCK HR. COR.	1.140	1.777	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.053	1.796	1.156	1.328	.919	.734	.540	.765	.326	.503	.549	.143	.503
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.800	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.100	1.000	1.000	.900	.900	.800	.800	.500

KURTOSIS	9.274	6.769	4.139	5.526	4.529	4.285	3.143	4.058	2.951	2.935	2.566	1.909	2.194
N	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27	.27
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1965	1965	1965	1965	1967
RECORD MAXIMUM	5.300	8.310	8.620	10.130	10.440	10.710	10.810	13.59	14.570	15.590	17.820	26.190	42.710
NORMALIZED MAX	2.948	2.863	2.497	3.000	2.841	2.741	2.091	2.600	2.330	2.165	2.140	1.854	1.874
CALC. COEF. VAR	.318	.417	.334	.374	.361	.315	.327	.348	.329	.342	.342	.369	.341
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.067	1.453	1.665	1.831	2.034	2.204	2.466	2.707	3.166	3.437	3.939	5.967	1.0000
RP10/A	1.643	2.283	2.620	2.867	3.145	3.381	3.818	4.05	4.270	5.274	5.527	7.018	1.0000
RP50/A	1.974	2.534	3.020	3.381	3.917	4.240	4.936	5.035	5.600	7.065	7.600	1.0000	1.532
RP50/A	2.214	3.											

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SWS 600 8107 0 SEVEN MILE HESENVOIR SJW4 322 19 045 014 0 M 37°25' 121°59' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.69	3.49	3.97	4.25	4.44	4.77	5.22	5.56	6.40	7.00	8.03	11.40	19.02
5	3.78	5.05	5.60	5.67	5.75	6.80	7.35	7.77	8.91	9.72	11.10	15.72	24.81
10	4.51	6.15	6.79	6.64	7.62	9.15	8.73	9.17	10.47	11.41	13.01	16.36	24.15
20	5.20	7.22	7.94	7.55	9.82	9.43	10.01	10.46	11.93	12.95	14.75	20.74	31.08
50	5.62	7.74	8.71	8.24	9.94	9.24	10.30	10.92	12.33	13.40	15.23	21.96	31.46
100	5.96	8.26	9.95	8.44	10.97	10.60	11.67	13.23	14.60	16.38	22.36	33.75	
500	6.37	8.59	9.41	8.73	10.33	11.05	11.70	12.50	13.65	15.85	16.89	23.65	34.57
1000	6.72	9.52	10.30	9.59	11.45	12.24	12.76	13.20	14.99	16.21	19.43	25.72	37.00
2000	7.35	10.63	11.37	10.49	12.54	13.41	13.89	14.32	15.12	17.53	19.41	27.72	39.31
10000	8.77	12.96	14.03	12.37	15.02	16.05	16.43	16.82	18.82	20.46	23.22	32.13	44.31
100000	10.76	16.23	17.49	15.08	18.47	19.72	19.92	20.24	22.49	24.44	27.71	36.09	50.87
PMP	20.62	29.16	34.15	27.49	35.58	37.97	40.28	41.94	47.87	51.94	58.76	83.09	116.96

MEAN	2.927	3.915	4.315	4.597	4.875	5.234	5.633	5.953	6.809	7.437	8.522	12.025	19.559
CLOCK HR. COR.	1.140	1.70	1.030	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.394	1.526	1.464	1.210	1.186	1.349	1.457	1.320	1.040	.902	.825	.508	.786
REGIONAL SKW	1.370	1.600	1.550	1.400	1.400	1.300	1.100	1.000	.900	.900	.800	.800	.500
SKW USED	1.370	1.600	1.550	1.400	1.300	1.100	1.000	.900	.900	.900	.800	.800	.500

KURTOSIS	4.007	6.554	6.371	4.949	4.419	5.548	5.954	5.126	4.021	3.593	3.222	2.484	3.194
N	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59
RECORD YEAR	1963	1963	1963	1963	1963	1965	1966	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.000	10.500	11.620	11.630	11.530	13.970	15.710	15.75	16.330	16.750	18.590	22.840	37.390
NORMALIZED MAX	2.655	3.470	3.77	3.590	3.400	3.543	3.740	3.236	2.979	2.817	2.315	2.458	
CALC. COEF. VAR	.395	.466	.448	.437	.430	.456	.457	.445	.402	.413	.395	.371	
REGN. COEF. VAR	.413	.430	.430	.432	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.432	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.497	2.001	2.266	2.350	2.442	2.676	2.680	3.04	3.481	3.802	4.357	5.148	1.0000
N	3.15	3.71	3.91	3.92	3.94	4.17	4.46	4.55	4.55	4.65	4.85	5.10	1.0000
R25/A	.2768	1.863	2.42	4.010	4.99	5.02	5.19	5.69	6.05	6.84	7.814	10.976	1.632
R50/A	.3105	1.439	4.4461	5.293	5.651	5.932	6.161	6.79	7.592	8.635	10.209	12.767	
RPI10/A	.3434	.4917	.5366	.4903	.5953	.6259	.6525	.6751	.7621	.8288	.9421	1.1319	1.8917
RPI100/A	.4486	.6624	.7171	.5326	.7879	.8285	.8398	.8601	.9623	1.0459	1.1871	1.6429	2.6562
RPI1000/A	.5562	.6300	.835	.7708	.9442	1.0065	1.0183	1.0350	1.1499	1.2493	1.4167	1.9474	2.6007
RPI10000/A	1.0544	1.4911	1.6437	1.4054	1.8143	1.9413	2.0592	2.1441	2.4475	2.6558	3.0043	4.2483	5.9800
PMP/A	1.0544	1.4911	1.6437	1.4054	1.8143	1.9413	2.0592	2.1441	2.4475	2.6558	3.0043	4.2483	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SWS 600 8495 1 STANFORD UNIVERSITY 50 065 03K M 37°43' 122°17' 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.72	2.22	2.54	2.78	3.09	3.22	3.61	3.93	4.74	5.25	5.23	6.72	15.39
5	2.42	3.21	3.68	3.99	4.41	4.58	5.09	5.49	6.60	7.29	7.23	12.02	25.07
10	2.89	3.91	4.46	4.81	5.30	5.49	6.04	6.44	7.75	8.55	8.48	14.04	22.78
20	3.33	4.59	5.21	5.60	6.13	6.35	6.92	7.39	8.80	9.71	9.61	15.86	25.15
25	3.47	4.81	5.45	5.64	6.39	6.62	7.20	7.67	9.13	10.07	9.96	16.42	25.86
40	3.77	5.25	5.94	6.36	6.93	7.18	7.33	8.25	9.74	10.60	11.13	11.11	21.50
50	3.89	5.47	6.18	6.46	7.03	7.44	8.03	8.52	10.34	11.03	12.15	12.01	19.67
100	4.31	6.12	7.69	7.96	8.24	8.63	8.83	9.61	11.93	13.14	12.99	17.21	31.80
200	4.41	6.76	7.69	8.06	8.72	9.16	9.61	10.13	12.43	13.14	12.99	17.31	35.85
1000	5.63	8.24	9.21	10.44	10.81	11.37	11.69	13.93	15.33	15.13	15.13	24.57	35.85
10000	6.90	11.32	11.48	12.01	12.81	13.28	13.74	14.31	16.64	18.32	18.06	21.41	41.15
100000	13.22	16.55	21.11	22.59	24.77	25.57	27.87	29.65	35.43	38.94	38.30	63.54	94.63

MEAN	1.877	2.490	2.834	3.076	3.396	3.525	3.898	4.209	5.039	5.575	5.555	9.195	15.824
CLOCK HR. COR.	1.140	1.70	1.030	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.561	1.276	.709	.879	1.395	1.435	1.480	1.896	.902	.977	.926	1.019	.793
REGIONAL SKW	1.370	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USED	1.370	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	7.814	5.066	2.940	4.132	5.595	5.666	6.327	8.385	4.107	3.962	4.180	3.665	3.049
N	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.36	.36	.36
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.750	4.860	4.980	5.940	7.290	7.710	8.790	10.140	10.200	11.140	13.760	19.620	29.170
NORMALIZED MAX	2.663	2.584	2.049	2.606	3.014	3.032	3.224	3.516	2.790	2.640	2.995	2.785	2.355
CALC. COEF. VAR	.375	.368	.370	.357	.382	.392	.389	.401	.368	.378	.493	.407	.358
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.186	1.573	1.791	1.944	2.142	2.228	2.463	2.666	3.184	3.523	3.510	5.811	1.0000
N	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
R25/A	.2194	.3037	.3443	.3693	.4039	.4166	.4549	.4849	.5768	.6236	.6292	.1.0374	.1.6342
R50/A	.2461	.3404	.3903	.4141	.4704	.5073	.5783	.6217	.7156	.7567	.7657	.1.0374	.1.6342
RPI10/A	.2121	.2165	.2458	.2573	.2613	.2659	.2831	.2831	.7517	.8802	.9692	.9564	.1.5527
RPI100/A	.3680	.5027	.5811	.7253	.7589	.8115	.8709	.9045	1.0519	1.1577	1.1416	1.8405	2.6007
RPI1000/A	.4360	.6524	.7253	.7589	.8115	.8709	.9045	1.0519	1.22				

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TRP RNG LOT RNM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER 548 STEVENS CREEK MINEWONI 600 2H 075 02F M M 37.300 122.083 43  
E60 8519 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.38	4.32	4.96	5.39	5.74	6.24	6.75	7.39	8.43	9.30	10.88	15.84	26.35
5	4.77	6.26	7.17	7.73	8.27	8.89	9.51	10.34	11.73	12.92	15.04	21.84	34.37
10	5.69	7.67	8.70	9.32	9.93	10.66	11.29	12.20	13.75	15.17	17.63	25.51	39.00
20	6.57	8.77	10.17	11.54	12.84	14.24	15.59	17.04	18.85	20.22	22.72	28.85	43.05
25	6.94	9.36	10.63	11.31	12.98	14.46	15.44	16.44	17.53	18.75	20.71	29.63	44.29
40	7.41	11.24	11.60	12.30	12.99	13.94	13.71	15.52	17.41	19.14	22.20	31.90	47.75
50	7.67	11.45	12.05	12.77	13.47	14.45	15.01	16.03	17.96	19.74	22.89	32.86	47.88
100	8.48	11.92	13.45	14.19	14.92	16.05	16.51	17.58	19.62	21.55	24.97	35.74	51.26
200	9.28	13.18	14.82	15.60	16.38	17.52	17.97	19.05	21.21	23.31	26.99	38.52	54.45
1000	11.08	16.05	17.97	16.79	15.57	20.98	21.25	22.38	24.77	27.20	31.47	44.65	61.38
10000	13.59	21.12	22.39	21.25	24.07	25.78	25.77	26.93	29.61	32.49	37.59	52.93	70.47
PMR	26.05	36.15	41.19	43.73	46.37	49.63	52.10	55.78	63.00	69.06	79.64	115.46	162.04

MEAN	3.694	4.152	5.528	5.954	6.353	6.641	7.287	7.918	8.961	9.888	11.550	16.710	27.096
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.064	.770	.715	.532	1.065	1.511	1.911	1.825	1.153	.931	.848	.422	.700
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.000	1.000	.900	.900	.800	.800	.500

KURTOSIS	3.412	2.706	2.741	2.405	4.939	7.864	16.189	9.705	6.392	4.568	4.116	2.811	2.690
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1943	1950	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.36	8.01	10.59	11.10	14.77	17.72	19.95	21.47	21.49	21.99	24.73	31.61	47.500
NORMALIZED MAX	1.881	2.70	2.182	2.29	3.42	3.06	4.14	4.106	3.19	3.11	3.07	2.15	2.92
CALC. COEF. VAR	.397	.400	.419	.388	.406	.418	.417	.404	.384	.385	.372	.349	.358
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.393	.393	.394	.392
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392

MEAN	1.95	1.79	2.04	2.187	2.346	2.525	2.860	2.922	3.307	3.649	4.263	.167	1.000
RP10/A	1.711	1.74	2.10	2.040	2.033	2.174	4.148	4.501	.867	.558	.457	.943	1.000
RP25/A	2.754	3.656	3.923	4.175	4.420	4.744	4.697	5.328	.591	.558	.7644	1.1009	1.342
RP50/A	2.432	.393	.447	4.712	.977	5.332	.5540	.5910	.628	.728	.8447	1.2127	.7672
RP100/A	3.131	4.399	4.962	5.236	5.586	5.905	6.093	6.08	.7239	.7955	.9217	1.3191	1.897
RP1000/A	4.096	.5926	.6632	.9333	.7224	.7742	.7843	.8268	.9141	.1.0038	1.1613	1.6479	2.2652
RP10000/A	5.17	7.625	8.263	8.580	8.888	9.151	9.509	9.937	1.024	1.1990	1.3860	1.9533	2.6007
PMR/A	.9615	1.3343	1.5200	1.5140	1.7114	1.8316	1.9229	2.0587	2.3250	2.5888	2.9390	4.2612	5.0800

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TRP RNG LOT RNM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER 548 SUNNYVALE 97 37.367 122.033 43  
E60 8666 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.63	1.91	2.09	2.37	2.59	2.79	3.26	3.51	4.00	4.46	5.40	7.94	13.64
5	2.30	2.77	3.02	3.41	3.64	3.97	4.60	4.91	5.56	6.20	7.47	10.96	17.79
10	2.74	3.37	3.66	4.11	4.43	4.77	5.46	5.79	6.28	7.28	8.75	12.79	20.18
20	3.17	3.96	4.26	4.78	5.12	5.51	6.26	6.67	7.43	8.28	9.92	14.45	22.28
25	3.20	4.14	4.40	4.94	5.35	5.71	6.45	6.85	7.64	8.56	10.46	14.66	22.92
40	3.57	4.53	4.89	5.42	5.80	6.23	6.83	7.37	8.26	9.18	11.02	16.00	24.20
50	3.70	4.71	5.08	5.63	6.01	6.45	7.26	7.61	8.52	9.47	11.37	16.48	24.78
100	4.09	5.27	5.67	6.28	6.66	7.15	7.98	8.34	9.30	10.34	12.40	17.93	26.53
200	4.47	5.83	6.25	6.88	7.30	7.83	8.69	9.05	10.06	11.18	13.40	19.32	28.18
1000	5.34	7.10	7.57	8.28	8.74	9.37	10.27	10.62	11.75	13.05	15.63	22.39	31.76
10000	6.55	9.90	9.44	10.25	10.75	11.51	12.46	12.78	14.04	15.59	18.65	26.54	36.47
PMR	12.56	15.99	17.38	18.28	20.71	22.17	25.19	26.49	29.88	33.14	39.54	57.91	83.86

MEAN	1.783	2.147	2.330	2.625	2.830	3.055	3.523	3.760	4.250	4.744	5.735	8.380	14.023
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.115	1.298	1.231	1.024	.739	.760	.517	.828	.416	.523	.406	.355	.669
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.900	.800	.500

KURTOSIS	4.542	4.617	4.351	3.818	3.669	3.160	2.634	3.157	2.799	3.062	2.209	2.699	2.894
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1952	1967	1952	1967	1952	1952	1967	1952	1952	1952	1952	1973	1973
RECORD MAXIMUM	3.050	3.950	4.250	4.810	5.020	5.860	6.700	7.160	8.290	9.320	13.920	25.870	
NORMALIZED MAX	1.477	2.425	2.31	2.268	2.118	2.035	2.101	2.237	2.055	2.055	1.749	2.174	
CALC. COEF. VAR	.379	.376	.353	.367	.340	.366	.319	.354	.334	.329	.362	.378	.369
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.392

MEAN/A	1.171	1.151	1.062	1.072	2.023	2.179	2.512	2.681	3.031	3.383	4.090	.5976	1.0000
RP10/A	1.1957	2.400	2.614	.9291	.4160	.3205	.3892	.4129	.4662	.5190	.6242	.9123	1.4393
RP25/A	2.451	.5955	.3195	.3557	.3916	.4094	.4640	.4888	.5400	.6107	.7334	1.0659	1.6342
RP50/A	2.637	.3361	.3622	.4015	.4288	.4601	.5175	.5426	.6074	.6755	.8105	1.1752	1.7672
RP100/A	.2916	.3761	.4041	.4463	.4751	.5093	.5692	.5947	.6634	.7375	.8843	1.2784	1.8917
RP1000/A	.3810	.5066	.5401	.5907	.6233	.6681	.7326	.7577	.8377	.9306	1.1143	1.5970	2.2652
RP10000/A	.4673	.6348	.6729	.7310	.7663	.8211	.8883	.9117	1.0011	1.1116	1.3299	1.8930	2.6007
PMR/A	.8956	1.1405	1.2379	1.3751	1.4764	1.5807	1.7963	1.8888	2.1305	2.3629	2.8199	4.1299	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
850 DADER SUB 282 155 51 075 01E M 37°31'0 121°09'0 43

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.51	1.94	2.21	2.39	2.67	2.93	3.18	3.43	4.11	4.54	5.44	7.91	14.02
5	2.13	2.40	3.19	3.42	3.71	4.03	4.49	4.80	5.72	6.31	7.53	10.91	18.29
10	2.55	3.42	3.87	4.13	4.45	4.83	5.33	5.66	6.72	7.40	8.82	12.74	20.76
20	2.94	4.01	4.52	4.80	5.15	5.59	6.11	6.46	7.63	8.41	10.00	14.39	27.92
25	3.46	4.19	4.73	5.01	5.37	5.83	6.35	6.71	7.91	8.71	10.36	14.70	23.57
40	3.31	4.29	4.16	5.45	5.24	6.32	6.47	7.22	8.49	9.11	11.11	15.17	26.05
50	3.43	4.77	5.00	5.46	5.05	5.58	5.08	7.44	6.76	9.44	11.45	16.41	25.49
100	3.79	6.34	5.98	5.29	6.69	7.66	7.79	8.15	9.56	11.52	13.50	17.85	27.24
200	4.15	5.90	6.59	6.94	7.33	7.95	H.48	8.84	10.36	11.38	15.50	19.24	28.98
1000	4.95	7.19	7.49	8.32	8.78	9.51	10.02	10.39	12.07	13.28	15.74	22.30	32.67
10000	6.08	.001	9.96	10.30	10.74	11.69	12.15	12.51	14.43	15.86	18.79	26.44	37.51
PMF/A	11.65	10.19	16.32	19.43	20.74	22.50	25.89	30.71	33.71	39.85	57.67	86.25	

MEAN	1.453	2.173	2.460	2.638	2.948	3.102	3.437	3.675	4.368	4.827	5.779	8.346	14.423
CLOCK HR. COR.	1.140	1.170	1.040	1.120	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.249	.903	6.659	.675	.746	.933	1.202	1.000	.535	.719	.925	.599	.514
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	.900	.900	.900	.800	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	.900	.900	.900	.800	.500

KURTOSIS	4.599	3.424	3.064	3.023	3.203	4.316	5.183	4.729	2.870	3.554	3.310	2.458	2.516
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1952	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941
RECORD MAXIMUM	2,400	3,930	4,570	4,870	5,480	6,500	7,688	7,830	8,350	9,160	11,300	14,670	24,500
NORMALIZED MAX	2,100	2,376	2,342	2,603	2,699	3,117	3,377	3,274	2,526	2,615	2,669	2,128	2,118
CALC. COEF. VAR	.353	.340	.366	.352	.342	.371	.366	.345	.361	.343	.358	.356	.330
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1146	.1507	.1705	.1829	.1975	.2151	.2383	.2548	.3029	.3347	.4007	.5787	1.0000
RP10/A	.1765	.2368	.2683	.2863	.3075	.3352	.3693	.3925	.4559	.5134	.6115	.8834	1.4393
RP25/A	.2129	.2097	.3279	.3475	.3723	.4024	.4024	.4650	.5450	.6402	.6512	.7101	1.3282
RP50/A	.2376	.2077	.3707	.3925	.4167	.4542	.4900	.5150	.5470	.6268	.7294	1.1379	1.7472
RP100/A	.3425	.3707	.4148	.4544	.4638	.4811	.5399	.5052	.6630	.7295	.8664	.9278	1.4917
RP1000/A	.5467	.5543	.5543	.5771	.5085	.5595	.4949	.7202	.8372	.9265	1.0917	.15464	2.2652
RP10000/A	.8213	.6249	.6907	.7142	.7491	.8168	.8426	.8666	1.0000	1.0996	1.3029	.8329	2.6007
PMF/A	.8074	1.1227	1.2705	1.3435	1.4415	1.5604	1.7039	1.7953	2.1292	2.3375	2.7628	3.9966	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LAT HWM LATITUDE LONGITUDE COUNTY CODE  
850 DADER SUB 282 155 51 01E M 37.510 122.333 41

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.12	2.92	3.47	3.72	4.00	5.01	5.64	6.67	7.28	8.66	12.91	23.85	
5	2.99	4.23	5.01	5.34	5.81	7.05	7.89	9.28	10.11	11.97	17.80	31.11	
10	3.57	5.15	6.06	6.44	6.96	7.52	8.37	9.31	10.91	11.87	14.03	25.30	
20	4.12	6.05	7.11	7.49	8.06	8.70	9.60	10.61	12.39	13.48	15.91	23.48	
25	4.29	6.33	7.43	7.82	8.40	9.07	9.98	11.02	12.85	13.97	16.48	24.31	
40	4.64	6.92	8.11	8.50	9.12	9.83	10.17	11.85	13.74	14.98	17.47	25.99	
50	4.81	7.20	8.42	8.84	9.45	10.19	11.24	12.42	14.21	15.45	18.22	26.71	
100	5.32	8.04	9.09	9.47	10.17	11.47	12.36	13.40	15.22	16.45	19.88	26.12	
200	5.82	8.91	10.37	10.78	11.47	12.36	13.32	14.54	16.79	18.24	21.48	31.38	
1000	6.95	11.66	12.57	12.98	13.74	14.79	15.76	17.09	19.60	21.29	25.04	36.38	
10000	8.52	13.60	15.66	16.06	18.89	18.18	19.11	20.55	23.42	25.43	29.89	43.13	63.79
PMF/A	16.33	24.44	28.80	30.22	32.94	35.00	39.64	42.57	49.86	54.05	63.38	94.08	146.68

MEAN	2.318	3.280	3.866	4.114	4.458	4.825	5.04	6.043	7.092	7.739	9.192	13.615	24.528
CLOCK HR. COR.	1.140	1.170	1.040	1.202	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.450	.194	1.390	1.276	.984	.806	.535	.600	-0.009	.158	.431	.662	.350
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	3.590	5.626	5.829	5.16	3.890	3.222	2.625	2.725	2.083	2.245	2.399	2.489	2.073
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1940	1939	1958	1958	1960	1958
RECORD MAXIMUM	3,640	6,590	8,110	6,600	8,640	6,670	8,670	10,450	10,780	12,940	15,340	23,750	40,290
NORMALIZED MAX	1,816	2,575	2,809	2,785	2,562	2,335	1,899	1,982	1,480	1,923	1,884	1,831	1,857
CALC. COEF. VAR	.314	.392	.391	.392	.366	.341	.318	.335	.351	.349	.355	.407	.346
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0945	.1337	.1576	.1677	.1817	.1967	.2203	.2464	.2891	.3155	.3748	.4551	1.0000
RP10/A	.1455	.2101	.2400	.2625	.2840	.3065	.3414	.3795	.4447	.4840	.5720	.8473	1.4393
RP25/A	.1748	.2561	.3031	.3187	.3427	.3696	.4065	.4492	.5237	.5955	.7200	.9422	1.4392
RP50/A	.1960	.2806	.3436	.3595	.3821	.4154	.4548	.4947	.5595	.6300	.7474	.9015	1.7672
RP100/A	.2168	.3287	.3948	.4268	.4628	.4991	.5465	.6329	.6879	.8103	.1,873	.1,8917	
RP1000/A	.2462	.4426	.5124	.5926	.6500	.6032	.6424	.6963	.7927	.8619	.1,0210	.1,4833	2.2652
RP10000/A	.3474	.5546	.6384	.6569	.6886	.7143	.7789	.8378	.9550	1.0367	.1,2185	.1,7582	2.6007
PMF/A	.6657	.9963	1.1744	1.2139	1.3267	1.4270	1.5752	1.7357	2.0326	2.0308	2.5840	3,8356	5,9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC T+P RNG LOT HMM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB M 37.533 122.347 41  
E70 5156 U LOWER CRYSTAL SPRINGS 400 450

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.09	2.76	3.28	3.63	4.14	4.45	5.12	5.74	6.91	7.53	8.64	13.35	24.42
5	2.95	4.00	4.74	5.21	5.97	6.34	7.22	8.02	9.62	10.46	12.22	18.42	31.85
10	3.52	4.87	5.75	6.21	7.17	7.60	8.57	9.46	11.31	12.28	14.32	21.50	36.14
20	4.26	5.71	6.74	7.31	8.29	9.27	10.21	11.20	12.89	13.40	14.24	20.40	39.98
25	4.23	5.94	7.03	7.63	8.65	9.16	10.21	11.20	13.01	14.46	16.83	25.15	44.84
40	4.56	6.54	7.67	8.30	9.38	9.93	10.40	12.00	14.22	15.50	18.03	26.90	43.33
50	4.75	6.84	7.97	8.61	9.72	10.30	11.38	12.44	14.73	15.99	16.59	27.70	44.38
100	5.25	7.61	8.89	9.57	10.77	11.40	12.52	13.63	16.09	17.46	20.29	30.13	47.50
200	5.74	9.41	9.80	11.52	11.80	12.49	13.63	14.78	17.40	18.87	21.92	32.47	50.46
1000	6.46	11.25	11.89	12.57	14.13	14.95	16.12	17.36	20.31	22.03	25.56	37.64	56.88
10000	8.41	12.65	14.81	15.68	17.30	19.47	19.54	20.89	24.28	26.31	30.51	44.62	65.31
PMP	10.12	23.08	27.24	29.44	33.49	35.37	37.52	43.28	51.67	55.93	66.49	97.34	156.16

CLOCK HR. CUR.	2.288	3.094	3.657	4.015	4.506	4.875	5.527	6.143	7.350	8.007	9.383	14.087	25.110
1-140	1.470	1.640	1.820	1.910	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	-0.831	-0.469	-0.749	-0.819	-0.512	-0.349	-0.283	-0.074	-0.096	-0.286	-0.294	-0.243	-0.372
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	4.047	2.547	3.777	3.813	2.945	2.594	2.394	2.137	2.362	2.292	2.472	2.369	2.618
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD MAXIMUM	1938	1932	1963	1963	1932	1932	1932	1932	1932	1938	1958	1958	1958
NORMALIZED MAX	2.590	4.330	6.32	7.150	7.320	7.600	9.300	9.50	12.050	12.720	14.950	22.770	41.510
CALC. COEF. VAR	.736	1.114	2.336	2.67	1.111	1.987	1.407	1.200	1.272	1.272	1.32	1.33	2.5
REGN. COEF. VAR	.179	.280	.309	.324	.312	.311	.305	.306	.344	.344	.317	.356	.303
USED COEF. VAR	.403	.434	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.91	1.834	1.456	1.579	1.826	1.492	2.201	2.044	2.927	3.169	3.377	5.610	1.0000
HPI/A	1.463	1.934	1.621	2.253	2.452	2.462	3.026	3.026	3.766	4.562	4.882	5.703	1.4393
HPS5/A	1.685	2.382	2.890	3.038	3.444	3.446	4.665	4.665	5.520	5.575	5.701	6.0016	1.4393
HPS0/A	1.490	2.707	3.174	3.249	3.372	4.101	4.534	4.952	5.866	6.367	7.405	11.032	1.7672
RP100/A	.7040	.3032	.3542	.3812	.4240	.4541	.4987	.5426	.6407	.6951	.6079	.12000	1.8917
RP1000/A	.2731	.4784	.4734	.5045	.5629	.5954	.6419	.6913	.8090	.8772	.10180	.14992	2.4652
RP10000/A	.3356	.5117	.5898	.6244	.6820	.7317	.7783	.8319	.9668	.10478	.12150	.17770	2.6007
PMP/A	.6420	.9193	1.0849	1.1745	1.2333	1.4066	1.5734	1.7234	2.0576	2.2274	2.5764	3.8766	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC T+P RNG LOT HMM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB M 37.550 122.417 41  
E70 4863 0 PILARCITOS 401 625

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.99	5.22	5.92	6.51	7.09	7.73	8.76	9.69	11.46	12.77	15.19	22.38	42.73
5	5.63	7.57	8.56	9.34	10.13	11.01	12.34	13.55	15.98	17.73	21.00	30.87	55.73
10	6.72	9.22	10.38	11.29	12.16	13.20	14.65	15.99	17.55	20.81	24.61	36.04	63.24
20	7.75	10.87	12.13	13.09	14.09	15.27	16.75	18.23	21.30	23.63	27.79	40.72	69.82
25	8.20	11.42	12.82	13.86	14.96	16.07	17.36	18.72	21.22	23.64	27.21	42.55	71.81
40	8.74	12.34	13.84	14.86	15.92	17.27	17.79	20.35	23.69	26.27	31.94	45.08	77.65
50	9.05	12.88	14.38	15.42	16.50	17.90	19.47	21.01	24.43	27.09	31.94	46.43	77.65
100	11.01	14.41	15.04	17.14	18.28	19.62	21.42	23.02	26.68	29.58	34.87	54.43	88.30
200	10.95	15.93	17.69	18.84	20.02	21.71	23.31	24.97	28.86	31.98	37.66	54.43	88.30
1000	13.07	19.41	21.44	22.69	24.98	25.98	27.57	29.33	33.69	37.32	43.93	63.10	99.54
10000	16.63	24.32	26.72	28.48	29.49	31.93	33.43	35.33	40.26	44.58	52.43	74.79	114.28
PMP	30.73	43.70	49.14	52.82	56.91	61.47	67.59	73.13	85.69	94.77	111.19	163.15	262.77

CLOCK HR. CUR.	4.362	5.866	6.597	7.192	7.783	8.473	9.453	10.38*	12.190	13.567	16.129	23.611	43.941
1-140	1.470	1.640	1.820	1.910	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.446	1.625	1.590	1.610	1.573	1.728	1.655	1.478	1.600	1.277	1.099	.813	.382
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	5.752	6.379	7.399	7.300	7.120	8.808	9.330	7.975	9.465	8.787	6.108	3.809	2.773
N	106	105	106	106	106	106	106	106	106	106	106	106	108
RECORD MAXIMUM	1872	1872	1872	1872	1872	1872	1872	1872	1872	1872	1872	1872	1868
NORMALIZED MAX	10.790	17.750	20.920	23.150	24.710	29.000	32.200	33.060	41.810	43.190	47.490	55.810	81.060
CALC. COEF. VAR	.447	.507	.492	.486	.471	.478	.458	.442	.455	.443	.419	.404	.322
REGN. COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.093	.1335	.1501	.1637	.1771	.1928	.2151	.2362	.2774	.3083	.3670	.5373	1.0000
HPI/A	.1528	.2098	.2362	.2562	.2767	.3020	.3334	.3638	.4267	.4737	.5601	.8203	1.4393
HP52/A	.1836	.2577	.2886	.3110	.3339	.3924	.4307	.5025	.5574	.5981	.8993	.9583	1.6342
HP50/A	.2060	.2931	.3272	.3570	.3755	.4431	.4782	.5560	.6165	.7273	.10567	.1567	1.7672
RP100/A	.2277	.3280	.3851	.3902	.4160	.4573	.4974	.5240	.6072	.6731	.7935	.14194	.1917
RP1000/A	.2975	.4418	.4480	.5164	.5458	.5913	.6274	.6766	.8494	.9999	.14359	.24265	
RP10000/A	.3649	.5538	.6080	.6391	.6711	.7267	.7607	.8033	.9163	.10145	.19132	.17020	2.6007
PMP/A	.6994	.9495	1.1184	1.2022	1.2930	1.5383	1.6642	1.9502	2.1567	2.5304	3.7131	5.9800	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-LURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP HNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E70 7704 0 SAN ANDREAS LAKE 413 377 M 37°58' 122°40' 41

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.72	3.56	4.23	4.57	5.13	5.57	6.35	7.02	8.57	9.41	10.86	16.37	30.12
5	3.84	5.16	6.12	6.55	7.34	7.94	8.95	9.81	11.92	13.07	15.01	22.57	39.29
10	4.54	5.20	7.43	7.70	8.81	9.52	10.62	11.58	14.01	15.34	17.60	26.36	44.58
20	5.26	7.37	8.68	9.18	10.18	11.91	12.18	13.20	15.91	17.41	19.95	29.78	49.22
25	5.50	7.71	9.06	9.59	10.62	11.48	12.66	13.70	16.50	18.05	20.60	30.83	50.62
40	5.96	8.43	9.90	10.43	11.52	12.46	12.90	14.73	17.70	19.36	22.10	32.97	53.45
50	6.17	8.71	10.21	10.82	11.74	12.64	13.43	15.21	18.25	19.96	22.85	33.98	54.74
100	6.82	9.87	11.59	12.03	13.43	15.29	15.53	16.97	19.97	21.47	24.43	35.54	56.59
200	7.46	11.85	12.66	14.22	15.49	15.65	16.90	19.06	21.56	24.54	29.94	39.00	57.25
1000	8.92	13.23	15.35	16.92	17.35	18.74	19.99	21.24	25.17	27.50	31.41	46.14	70.17
10000	10.92	16.57	19.12	19.70	21.34	23.03	24.24	25.56	30.09	32.85	37.49	54.70	80.56
PMP	20.96	29.77	35.17	37.06	41.11	44.33	49.01	52.95	64.02	69.83	79.50	119.32	185.23
MEAN	2.975	3.996	4.721	5.065	5.832	6.111	6.855	7.515	9.107	9.998	11.530	17.268	30.975
CLOCK HR. CUP.	1.144	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.392	2.35	2.418	2.296	1.942	1.553	1.790	1.481	-0.140	-0.008	-0.081	*.180	*.349
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	5.974	8.27	11.298	10°305	8.105	8.405	4.068	2.838	2.043	2.066	2.110	2.436	2.325
N	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1967	1958	1958	1958	1958
RECORD MAXIMUM	5.330	9.280	12.600	14.570	13.600	13.600	13.600	13.600	14.080	15.620	19.110	29.380	52.370
NORMALIZED MAX	2.114	2.72	3.611	3.616	3.442	2.926	2.605	2.225	1.587	1.695	1.826	2.007	2.493
CALC. COEF. VAR	.774	.445	.466	.467	.414	.374	.355	.369	.344	.332	.313	.350	.330
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0560	1.290	1.524	1.629	1.818	1.973	2.213	2.426	2.940	3.228	.3722	.5575	1.0000
KP10/A	.1470	.2028	.2398	.2559	.2841	.3174	.3430	.3737	.4523	.4952	.5681	.8510	1.4393
KP25/A	.1776	.2490	.2931	.3075	.3429	.3767	.4087	.4424	.5326	.5827	.6679	.9952	1.6342
KP50/A	.1993	.2823	.3232	.3434	.3855	.4166	.4558	.4912	.5893	.6245	.73	1.0662	1.7672
RP100/A	.2570	.3131	.3707	.4177	.4681	.5145	.5582	.6036	.6894	.7635	.8694	1.1565	1.9917
RP1000/A	.4747	.4270	.4984	.5149	.5626	.6049	.6454	.6876	.8127	.8899	1.0142	1.6768	2.7652
RP10000/A	.3530	.5350	.6173	.6361	.6889	.7435	.7825	.8251	.9712	1.0406	1.2103	1.7658	2.9007
PPM/A	.6766	.9612	1.1355	1.1966	1.3273	1.4312	1.5023	1.7093	2.0670	2.2545	2.5666	3.8521	5.4900

## PRECIPITATION DEPTH-LURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP HNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB E70 7769 0 SAN FRANCISCO AIRPORT B 37.617 122.383 41

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.90	2.39	2.79	3.07	3.38	3.66	4.02	4.57	5.22	5.85	7.03	10.78	19.15
5	2.68	4.46	4.04	4.41	5.83	5.18	5.67	6.25	7.27	8.12	9.72	14.86	24.98
10	3.20	4.22	4.90	5.32	5.80	6.21	6.73	7.38	8.54	9.53	11.40	17.36	28.34
20	3.69	4.95	5.73	6.19	6.71	7.19	7.71	8.41	9.70	10.82	12.92	19.61	31.29
25	3.88	5.18	5.99	6.45	6.99	7.49	8.01	8.73	10.05	11.22	13.39	20.30	32.18
40	4.16	5.66	6.53	7.02	7.59	8.12	8.16	9.39	10.78	12.03	14.35	21.71	33.98
50	4.31	5.89	6.79	7.28	7.88	8.42	8.94	9.69	11.12	12.40	14.80	22.36	34.80
100	4.77	6.64	7.58	8.10	9.71	10.32	9.83	10.62	12.15	13.96	16.24	24.37	37.25
200	5.25	7.29	8.25	8.82	9.45	10.11	11.01	11.82	13.44	14.64	16.51	25.51	39.58
1000	6.88	8.88	10.12	11.72	11.43	12.22	12.65	13.53	15.34	17.09	20.34	30.58	44.81
10000	7.64	11.13	12.61	13.29	14.05	15.02	15.24	16.28	18.33	20.41	24.22	36.02	51.22
PMP	14.65	22.00	23.21	24.45	27.08	28.92	31.03	33.74	39.02	51.49	78.57	117.77	
MEAN	2.078	2.694	3.115	3.398	3.709	3.947	4.339	4.789	5.550	6.212	7.467	11.370	19.694
CLOCK HR. COR.	1.144	1.70	1.040	1.420	1.010	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.456	1.762	1.495	1.253	1.307	1.024	.746	.806	.739	.638	.832	.762	.928
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	6.492	6.059	5.681	4.706	4.026	4.004	3.375	3.570	3.224	3.492	3.245	3.131	3.202
N	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
RECOHD YEAR	1967	1967	1963	1963	1966	1966	1966	1966	1968	1958	1958	1958	1958
RECORD MAXIMUM	4.070	5.200	6.240	7.290	7.520	7.600	8.320	9.470	10.780	13.170	14.980	22.590	38.500
NORMALIZED MAX	2.726	3.654	2.907	2.888	2.942	2.374	2.430	2.301	2.799	2.429	2.435	2.658	
CALC. COEF. VAR	.352	.402	.422	.397	.389	.388	.386	.402	.413	.400	.414	.405	.359
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	1.055	1.193	1.582	1.725	1.883	2.024	2.203	2.432	2.819	3.154	3.792	.5774	1.0000
KP10/A	.1625	.2142	.2486	.2709	.2943	.3155	.3415	.3745	.4335	.4840	.5787	.8814	1.4393
KP25/A	.1952	.2631	.3041	.3277	.3551	.3804	.4070	.4433	.5105	.5695	.6799	1.0307	1.6342
KP50/A	.2189	.2992	.3447	.3698	.3993	.4275	.4539	.4923	.5626	.6277	.7198	1.1350	1.7672
RP100/A	.2427	.3349	.3947	.4111	.4424	.4735	.4927	.5144	.5872	.7789	.8677	1.0330	1.5429
RP1000/A	.3163	.4511	.5141	.5434	.6133	.6729	.7291	.7791	.8289	.9309	1.0365	1.2329	1.8288
RP10000/A	.3179	.5552	.6405	.7374	.7136	.7629	.8171	.8721	.9204	.9812	2.0303	2.6143	3.9895
PPM/A	.7435	1.0155	1.1783	1.2667	1.3749	1.4696	1.5755	1.7131	1.9812	2.0303	2.6143	3.9895	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HMM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB E70 7772 0 SAN FRANCISCO FOB 42 37.4783 122.417 AR

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	2.62	2.57	2.55	2.57	3.56	3.43	4.81	5.74	6.50	7.68	11.39	21.01		
5	2.95	3.73	4.27	4.70	5.05	5.45	6.11	6.72	9.93	10.63	15.70	27.40		
10	3.40	4.54	4.18	5.66	5.08	6.53	7.25	7.93	9.39	10.60	12.45	18.34	31.10	
20	3.92	5.33	6.06	6.58	7.02	7.56	8.31	9.04	10.66	12.04	14.12	20.72	34.33	
25	4.04	5.58	6.33	6.87	7.32	7.88	8.64	9.39	11.06	12.48	14.63	21.45	35.31	
40	4.42	6.10	6.91	7.47	7.94	8.54	8.80	10.09	11.86	13.38	15.68	22.94	37.28	
50	4.55	6.35	7.18	7.76	8.23	8.86	9.43	10.42	12.23	13.90	16.17	23.62	38.18	
100	5.16	7.00	7.96	8.42	9.04	9.67	10.31	12.30	14.20	16.07	18.25	25.00	40.87	
200	5.54	7.65	8.83	9.47	9.98	10.74	11.51	12.29	14.05	15.29	17.69	24.42		
1000	6.61	9.57	11.70	11.41	11.99	12.86	13.64	14.55	16.87	19.01	22.23	32.10	44.94	
10000	8.11	11.99	13.34	14.12	14.73	15.80	16.54	17.51	20.16	22.71	26.53	38.05	56.19	
PMF	15.54	21.54	24.53	26.57	28.33	30.42	33.44	36.27	42.91	48.27	56.26	83.01	129.20	

MEAN	2.266	2.891	3.293	3.617	3.889	4.193	4.676	5.148	6.103	6.911	8.159	12.013	21.606
CLOCK HR. COR.	1.140	1.770	1.440	1.020	1.010	1.110	1.006	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.264	1.494	1.490	1.314	1.153	1.531	1.210	1.870	1.619	1.683	1.662	1.227	.900
REGIONAL SKEW	1.360	1.600	1.500	1.400	1.320	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	5.102	7.673	7.341	6.849	6.497	7.762	6.762	4.777	9.328	9.525	10.664	5.824	4.491
N	1.26	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
RECORD YEAR	1981	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	4.676	7.900	8.150	9.490	9.803	11.70	12.72	12.94	19.77	23.010	28.250	34.570	49.270
NORMALIZED MAX	2.992	4.239	4.325	4.279	4.251	4.568	4.561	3.974	5.387	5.494	5.687	4.567	3.771
CALC. COEF. VAR	.173	.409	.390	.379	.359	.380	.377	.381	.416	.424	.433	.411	.340
REGN. COEF. VAR	.403	.430	.430	.423	.429	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.429	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1021	.1336	.1524	.1674	.1796	.1941	.2165	.2383	.2825	.3198	.3776	.5560	1.0000
RPI10/A	.1572	.2102	.2394	.2621	.2406	.3024	.3356	.367	.4345	.4907	.5763	.8488	1.4393
RPI25/A	.1489	.2582	.2931	.3141	.3336	.3647	.3999	.4344	.5117	.5774	.6772	.9926	1.6342
RPI50/A	.2119	.2937	.3322	.3590	.3907	.4099	.4450	.4826	.5662	.6387	.7484	1.0394	1.6762
RPI100/A	.2343	.3387	.3707	.3971	.4218	.4539	.4905	.5285	.6183	.6973	.8165	1.1893	1.8917
RPI1000/A	.3761	.4428	.4954	.5282	.5534	.5951	.6313	.6734	.7806	.8798	1.0289	1.4058	2.2652
RPI10000/A	.3754	.5548	.6173	.6537	.6864	.7314	.7651	.8103	.9331	1.0510	1.2279	1.7611	2.6007
RPI-P/A	.7194	.9967	1.1355	1.2297	1.3110	1.4406	1.5479	1.6768	1.9859	2.2341	2.6638	3.8419	5.9800

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HMM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB E80 4714 0 HALF MOON BAY 60 24 055 056 P M 37.461 122.433 41

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	2.25	2.83	3.28	3.62	3.94	4.25	4.83	5.23	6.20	6.82	8.25	12.59	24.30	
5	3.17	4.09	4.74	5.20	5.63	6.05	6.81	7.31	8.63	9.47	11.40	17.36	31.69	
10	3.47	4.55	5.15	5.75	6.27	6.75	7.41	8.01	9.14	10.24	12.04	18.77	33.77	
20	4.37	5.85	6.72	7.29	7.82	8.39	9.26	9.84	11.52	12.62	15.15	22.91	39.71	
25	4.55	6.12	7.02	7.61	8.16	8.74	9.63	10.21	11.94	13.08	15.70	23.71	40.84	
40	4.93	6.70	7.66	8.27	8.95	9.44	9.81	10.94	12.81	14.03	16.83	24.53	43.12	
50	5.11	6.99	7.96	8.58	9.17	9.83	10.74	11.34	13.21	14.47	17.35	26.12	44.16	
100	5.65	7.79	8.68	9.54	10.16	10.89	11.81	12.42	14.43	15.79	18.93	24.41	47.27	
200	6.18	8.62	9.76	10.49	11.13	11.92	12.86	13.48	15.64	17.06	20.46	30.62	50.22	
1000	7.30	11.01	11.97	12.83	13.62	14.51	15.49	16.32	17.23	18.21	20.46	35.00	50.00	
10000	9.05	13.16	14.80	15.63	16.34	17.54	18.43	19.05	21.77	23.81	28.47	42.07	64.99	
PMF	17.34	23.64	27.22	29.40	31.59	33.76	37.28	39.46	46.31	50.61	60.33	91.79	149.43	

MEAN	2.461	3.173	3.653	4.003	4.327	4.654	5.214	5.602	6.591	7.245	8.757	13.283	24.989
CLOCK HR. COR.	1.141	1.770	1.040	2.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.261	1.841	2.205	2.002	1.959	1.384	1.935	1.712	1.683	2.217	2.666	1.600	.589
REGIONAL SKEW	1.360	1.600	1.500	1.400	1.360	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500

KURTOSIS	5.924	7.639	10.184	9.535	6.596	5.810	4.404	3.394	2.494	2.415	2.021	3.299	2.513
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1981	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	4.900	7.770	10.010	10.480	10.730	10.730	10.840	10.840	10.970	12.480	13.900	25.190	43.610
NORMALIZED MAX	2.559	3.301	3.770	3.617	3.446	3.294	2.988	2.616	1.912	2.163	2.186	2.502	2.270
CALC. COEF. VAR	.387	.439	.462	.437	.429	.396	.361	.358	.347	.334	.320	.358	.327
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.0985	.1270	.1462	.1602	.1731	.1862	.2086	.2242	.2538	.2899	.3500	.5316	1.0000
RPI10/A	.1516	.1995	.2300	.2508	.2705	.2902	.3233	.3452	.4057	.4448	.5348	.8114	1.4393
RPI25/A	.1822	.2451	.2811	.3044	.3265	.3500	.3803	.4087	.4778	.5235	.6268	.9490	1.6342
RPI50/A	.2043	.2787	.3186	.3438	.3671	.3933	.4297	.4538	.5287	.5790	.6945	1.0453	1.7672
RPI100/A	.2259	.3119	.3556	.3819	.4067	.4356	.4727	.4972	.5773	.6231	.7577	1.1370	1.6917
RPI1000/A	.2952	.4202	.4752	.5055	.5335	.5711	.6084	.6335	.7291	.7978	.9584	1.4205	2.6252
RPI10000/A	.3620	.5285	.5921	.6255	.6580	.7019	.7377	.7623	.8112	.8527	1.1394	1.6837	2.5007
RPI-P/A	.6738	.9459	1.0872	1.1767	1.2840	1.3511	1.4916	1.5792	1.8543	2.0424	2.4162	3.6731	5.9800

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUD E80 4660 0	STATION NAME LA MUNDA	ELEV 670	SEC 14	TWP 075	RNG 04W	LATITUDE M 37°31'	LONGITUDE 122°26'	COUNTY CODE 41	MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.03	3.78	4.29	4.67	5.26	5.60	6.55	7.10	8.24	9.33	11.07	16.67	31.89
5	4.27	5.48	6.21	6.71	7.52	7.98	9.24	10.01	11.47	12.96	15.31	22.99	40.30
10	5.10	6.64	7.53	8.19	9.02	9.57	10.96	11.81	13.47	15.21	17.95	26.84	45.73
20	5.88	7.83	8.80	9.40	10.44	11.07	12.57	13.47	15.31	17.27	20.35	30.33	50.49
25	6.13	8.20	9.21	9.82	10.89	11.54	13.07	13.98	15.87	17.90	21.09	31.39	51.92
50	6.63	8.97	10.34	11.67	12.51	13.31	15.03	17.02	19.20	22.44	33.57	54.82	
50	6.63	8.97	10.34	11.67	12.51	13.31	15.03	17.02	19.20	22.44	33.57	54.82	
100	7.40	11.44	11.56	12.32	14.50	14.37	16.03	17.01	19.17	21.61	25.43	37.61	60.10
200	8.31	11.54	12.84	13.53	14.86	15.73	17.45	18.65	20.74	23.37	27.48	40.53	63.85
1000	9.93	14.06	15.36	16.30	17.79	18.83	20.63	21.67	24.21	27.27	32.04	46.99	71.97
10000	12.18	17.62	19.39	21.84	21.88	23.15	25.01	26.07	28.93	32.58	38.23	55.70	82.63
FMP	23.33	31.65	35.67	37.95	42.15	44.56	50.58	54.02	61.59	69.75	81.08	121.51	189.99

MLAN	3.312	4.249	4.788	5.167	5.774	6.044	7.407	7.768	8.759	9.815	11.759	17.584	31.770
CLOCK HR. CDR.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.614	1.479	1.120	.878	1.004	.966	1.177	1.154	.701	.550	.813	.539	.403
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.800	.500
USED COEF. VAR	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.800	.500

KURTOSIS	6.584	5.456	4.237	4.029	4.081	3.495	5.578	5.602	3.950	3.105	3.433	3.325	2.073
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YR	1963	1963	1963	1963	1966	1966	1956	1956	1956	1956	1956	1956	1958
RECD MAXIMUM	6.720	6.300	8.650	9.230	11.190	11.590	14.070	15.650	16.310	17.440	22.910	31.400	49.760
NORMALIZED MAX	2.517	2.668	2.422	2.445	2.511	2.529	3.034	3.083	2.628	2.349	2.660	2.400	1.900
CALC. COEF. VAR	.499	.357	.333	.315	.374	.352	.366	.339	.324	.323	.356	.327	.298
REGN. COEF. VAR	.493	.437	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.493	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1043	.1337	.1507	.1626	.1817	.1933	.2227	.2413	.2757	.3121	.3701	.5535	1.0000
RP10/A	.1165	.2102	.2371	.2546	.2840	.3013	.3451	.3717	.4241	.4788	.5641	.8449	1.4393
RP25/A	.1294	.2581	.2894	.3040	.3427	.3633	.4113	.4470	.4949	.5477	.6401	.9161	1.6324
RP50/A	.1370	.3045	.3498	.3688	.4033	.4477	.4947	.5408	.5931	.6431	.7335	1.0882	1.7612
RP100/A	.2192	.3298	.3742	.4029	.4429	.4942	.5465	.5945	.6435	.6903	.8003	1.1839	1.4917
RP1000/A	.3125	.4422	.4899	.5132	.5601	.5928	.6494	.6820	.7620	.8585	1.0084	1.4790	2.2652
RP10000/A	.3832	.5666	.6103	.6350	.6888	.7296	.7873	.8207	.9107	1.0254	1.2035	1.7531	2.6007
FMP/A	.7345	.9963	1.1227	1.1948	1.3268	1.4026	1.5922	1.7002	1.9382	2.1798	2.5520	3.8245	5.9800

STATION NO. BSN ORDER SUD E80 7046 0	STATION NAME PUHTOLA STATE PARK	ELEV 422	SEC 09	TWP 045	RNG 03W	LATITUDE M 37°23'	LONGITUDE 122°21'	COUNTY CODE 41
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RETURN PERIOD IN YEARS	10	20	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	4.15	5.32	6.30	6.93	7.66	8.33	9.39	10.26	11.56	13.02	15.49	22.59	40.75
5	5.85	7.70	9.10	9.94	10.84	11.85	13.24	14.34	16.10	18.08	21.42	31.15	53.15
10	6.99	9.38	11.04	11.99	13.13	14.20	15.71	16.93	18.91	21.22	25.11	36.38	60.31
20	8.66	11.01	12.91	13.96	15.20	16.43	18.01	19.31	21.49	24.05	28.47	41.10	66.59
25	8.39	11.52	13.50	14.55	15.85	17.13	18.72	20.04	22.27	24.98	29.50	42.55	68.48
50	9.09	12.61	14.72	15.85	17.19	18.57	19.47	21.25	23.49	25.70	29.12	42.55	72.30
50	9.09	12.61	14.72	15.85	17.19	18.57	19.47	21.25	23.49	25.70	29.12	42.55	72.30
100	10.41	16.67	17.07	18.26	19.74	21.32	22.97	24.66	26.91	30.16	35.57	50.96	79.27
200	11.39	16.22	18.82	20.05	21.63	23.25	25.00	26.44	29.11	32.61	38.44	54.94	84.21
1000	13.06	17.76	22.02	24.17	25.90	27.95	29.56	31.06	33.94	38.06	44.82	63.69	94.92
10000	16.68	24.76	28.43	29.41	31.85	35.35	38.85	37.37	40.62	45.46	53.49	75.49	108.98
FMP	31.96	44.88	52.30	56.28	61.33	66.13	72.49	77.42	86.44	96.63	113.44	144.68	250.58

MEAN	4.537	5.971	7.020	7.659	8.406	9.115	10.138	10.993	12.296	13.834	16.452	23.832	41.904
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.548	1.202	1.500	1.513	1.310	1.894	1.566	1.116	1.135	1.028	.507		.725
REGIONAL SKW	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.800	.500
USED COEF. VAR	1.300	1.600	1.500	1.400	1.300	1.300	1.000	.900	.900	.900	.800	.800	.500

KURTOSIS	2.986	5.959	3.414	3.684	5.570	8.073	8.327	6.473	4.683	4.063	4.100	2.803	2.511
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YR	1967	1967	1956	1967	1956	1956	1956	1956	1956	1956	1956	1956	1965
RECD MAXIMUM	6.200	11.070	11.260	14.070	17.720	20.550	23.910	24.75	26.100	27.760	32.430	41.710	71.590
NORMALIZED MAX	1.312	2.679	1.918	2.172	2.964	3.349	3.461	3.201	2.848	2.569	2.714	2.030	2.018
CALC. COEF. VAR	.279	.319	.315	.325	.374	.372	.393	.391	.394	.392	.358	.368	.351
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1083	.1425	.1675	.1828	.2006	.2175	.2419	.2523	.2734	.3301	.3926	.5687	1.0000
RP10/A	.1667	.2239	.2636	.2861	.3134	.3399	.3759	.4039	.4514	.5045	.5922	.8682	1.4393
RP25/A	.2003	.2750	.3221	.3473	.3782	.4157	.4569	.4781	.5175	.5704	.6704	.8144	1.442
RP50/A	.												

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB FOO 1107 35 AROOKINGS JHEGUN NO US 41S 13W \* 42°05' 124°28' D1

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS H-HOURS)

RETENTION PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.046	6.119	7.138	P-23	9.498	9.892	11.119	12.443	14.770	16.76	21.493	33.23	78.17
5	6.074	6.051	11.07	11.116	12.295	13.117	14.89	16.443	19.37	22.19	24.75	43.82	97.00
10	7.14	11.05	11.83	13.05	19.39	17.14	18.92	22.11	25.50	32.49	50.17	107.68	
20	7.47	11.51	11.49	14.80	16.21	17.24	19.25	21.15	24.55	28.49	36.59	55.85	116.93
40	8.26	11.97	14.00	15.35	18.79	17.85	19.66	21.83	25.28	29.41	37.71	57.57	119.70
50	8.49	12.51	15.01	15.01	17.64	17.99	21.19	23.26	26.10	31.39	41.61	61.10	128.98
50	9.13	12.56	15.56	16.29	18.56	19.42	20.74	23.46	27.46	32.14	41.06	47.72	57.93
100	9.97	13.71	17.08	18.58	20.31	21.41	23.62	25.8	29.59	34.75	44.24	67.59	135.38
200	11.79	16.14	18.56	21.13	21.99	23.11	25.40	27.07	31.87	37.26	47.29	72.29	142.49
1000	12.64	19.06	21.91	23.61	25.79	26.90	24.35	31.79	35.75	42.80	53.96	82.52	157.79
1000	15.18	23.25	26.55	24.40	30.98	32.08	34.72	37.35	41.41	50.28	62.49	96.24	177.64
PPM	24.48	44.48	51.45	M-33	61.35	64.97	71.86	70.37	93.06	106.79	136.47	209.93	399.55

MEAN	4.1/Hm	6.714	7.947	H-112	9.677	10.420	11.780	13.011	15.219	17.549	22.734	34.585	79.591
CLOCK HR. COR.	1.140	1.70	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+.515	+.625	.658	.948	.942	.720	.547	.559	.339	.116	.379	.007	-0.071
REGIONAL SKEW	+1.00	+1.30	1.200	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00
SKEW USED	+1.00	+1.30	1.200	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00

KURTOSIS	3.268	3.085	3.281	3.766	3.494	3.771	3.986	3.530	2.804	2.194	2.485	3.348	2.456
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1945	1063	1953	1953	1953	1953	1953	1953	1958	1956	1956	1956	1958
RECORD MAXIMUM	6.840	10.710	12.600	14.143	15.71	15.640	17.710	19.450	22.440	32.670	50.570	95.800	
NORMALIZED MAX	1.536	1.034	2.097	2.333	2.426	2.339	2.567	2.420	2.048	1.482	1.923	2.392	1.777
CALC. COEF. VAR	.245	.304	.291	.260	.247	.214	.196	.211	.233	.227	.227	.193	.115
REGN. COEF. VAR	.351	.371	.365	.380	.349	.340	.341	.341	.339	.335	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.380	.349	.340	.340	.340	.339	.335	.335	.338	.268

MEAN/A	.0001	.0484	.0498	.0498	.0498	.0498	.0498	.0498	.0498	.0498	.0498	.0498	.0498
RPI10/A	.0484	.1263	.1487	.1600	.1799	.1929	.2154	.2376	.2778	.3204	.4132	.6303	1.3529
RPI25/A	.0495	.1503	.1759	.1928	.2110	.2242	.2496	.2743	.3178	.3695	.4738	.7234	1.5039
RPI50/A	.1147	.1820	.1956	.2135	.2335	.2471	.2647	.2848	.3101	.3438	.4500	.7000	1.6040
RPI100/A	.2123	.1449	.1691	.1826	.2020	.2200	.2484	.2760	.3101	.3439	.4558	.7493	1.3009
RPI1000/A	.1588	.2395	.2753	.2980	.3239	.3379	.3686	.3994	.4491	.5377	.6780	1.0368	1.9025
RPI10000/A	.1967	.2922	.3355	.3588	.3993	.4031	.4363	.4693	.5203	.5617	.7903	1.2091	2.2320
RPIM/A	.3767	.5538	.6485	.7078	.7709	.8162	.8928	.9972	1.1693	1.3417	1.7210	2.6377	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB FOO 2147 0 CRESCENT CITY 1 N 40 20 16N 01W M 41.787 124.200 08

## MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS H-HOURS)

RETENTION PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.28	5.69	6.57	7.46	8.25	8.95	10.09	11.31	13.97	15.86	19.75	29.77	70.81
5	5.77	7.82	8.57	10.15	11.15	12.01	13.40	14.98	16.41	21.00	24.13	29.72	57.87
10	6.72	9.23	10.55	11.86	13.02	13.94	15.46	17.22	21.01	24.13	24.13	44.94	97.54
20	7.61	10.57	12.01	13.45	14.76	15.72	17.33	19.24	23.33	26.96	33.07	50.03	105.92
40	7.68	11.93	12.47	13.95	15.30	16.27	17.91	19.83	20.32	27.82	31.05	51.58	104.43
50	8.92	11.88	13.42	14.19	15.44	17.40	19.08	21.13	25.55	29.40	36.16	57.18	113.48
50	8.77	13.84	15.92	16.99	18.53	19.93	21.72	23.41	26.31	31.21	34.12	56.18	115.78
100	9.59	13.52	15.82	16.49	18.51	19.92	21.33	23.41	26.05	32.88	39.98	60.55	107.63
200	11.31	14.74	16.54	16.29	20.03	21.06	22.90	25.17	29.91	35.25	42.73	64.73	129.08
1000	12.07	17.51	19.52	21.26	23.46	24.52	26.47	28.92	33.97	40.50	48.77	73.92	142.93
1000	14.49	21.37	23.65	25.81	26.22	29.25	31.31	33.98	39.36	47.57	56.85	86.21	160.92
PPM	28.63	40.50	45.83	51.19	55.88	59.22	64.79	72.21	88.44	101.04	123.80	188.06	361.92

MEAN	4.570	6.169	7.078	7.999	8.815	9.494	10.421	11.838	14.663	16.605	20.548	30.982	72.056
CLOCK HR. COR.	1.140	1.70	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+.825	+.680	.625	.794	.975	.931	.828	.884	.447	.239	.423	.1000	.0000
REGIONAL SKEW	+1.00	+1.30	1.200	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00
SKEW USED	+1.00	+1.30	1.200	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00

KURTOSIS	3.095	3.456	3.716	4.117	4.697	4.753	4.326	4.708	3.139	2.878	2.771	3.285	3.305
N	65	65	65	65	65	64	64	64	64	64	64	64	65
RECORD YEAR	1951	1953	1953	1953	1907	1953	1907	1953	1904	1904	1904	1904	1915
RECORD MAXIMUM	7.400	11.240	13.420	15.230	17.310	18.633	20.340	23.000	25.120	26.350	35.330	44.960	118.880
NORMALIZED MAX	1.979	2.574	2.772	2.824	3.021	3.165	3.009	3.152	2.453	2.176	2.562	2.796	2.543
CALC. COEF. VAR	.313	.331	.323	.320	.319	.308	.304	.299	.300	.270	.281	.277	.255
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.380	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0034	.0565	.0902	.1109	.1223	.1317	.1473	.1642	.2006	.2303	.2850	.4297	1.0000
RPI10/A	.0932	.1261	.1462	.1645	.1806	.1934	.2144	.2389	.2915	.3347	.4123	.6233	1.3529
RPI25/A	.1094	.1525	.1730	.1935	.2122	.2257	.2484	.2755	.3332	.3859	.4728	.7152	1.5039
RPI50/A	.1204	.1705	.1923	.2142	.2456	.2494	.2740	.3122	.3620	.4000	.5180	.7733	1.6040
RPI100/A	.1511	.1915	.2122	.2342	.2362	.2767	.2966	.3286	.3981	.4560	.5546	.8398	1.7169
RPI1000/A	.1674	.2429	.2707	.2976	.3257	.3401	.3671	.4012	.4713	.5617	.6765	1.0253	1.9825
RPI10000/A	.2010	.2964	.3280	.3580	.3919	.4056	.4343	.4713	.5459	.6599	.7888	1.1958	2.2320
RPIM/A	.3772	.5618	.6357	.7101	.7751	.8216	.8986	.1.0016	.1.2267	.1.4015	.1.7172	.2.6084	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. HN ORDER SUB F00 2749 0	STATION NAME ELK VALLEY	FLEV	SEC	TMP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY	CODE		
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.12	7.60	9.11	10.15	11.15	12.20	14.07	15.77	18.62	20.49	25.38	39.59	82.90
5	6.89	10.44	12.94	13.76	15.07	16.37	18.68	20.89	24.52	27.11	33.40	52.21	107.87
10	10.14	17.33	14.61	16.08	17.59	19.00	21.55	24.02	26.00	31.16	38.20	59.77	114.19
20	14.43	14.14	14.65	15.00	15.42	15.92	17.42	18.17	19.84	31.05	34.42	42.50	66.51
25	19.43	14.97	15.29	15.91	16.57	17.20	18.66	19.47	20.44	35.96	40.50	49.60	124.00
40	4.59	15.85	18.60	19.24	21.02	23.71	26.61	29.44	31.90	32.01	34.47	72.73	135.86
50	10.42	16.33	19.22	21.44	22.86	24.41	27.39	30.29	34.77	39.28	47.74	74.73	135.56
100	11.39	18.65	21.09	22.90	24.95	26.60	29.70	32.75	37.37	42.45	51.37	60.53	143.57
200	12.32	19.69	22.92	24.81	27.04	28.71	31.94	35.11	39.85	45.93	54.42	66.09	151.11
1000	14.43	23.39	27.06	29.10	31.72	33.41	36.91	40.34	45.26	52.30	62.66	68.31	167.34
10000	17.33	26.54	32.78	35.10	38.12	39.86	43.86	47.47	52.43	61.44	73.07	114.66	188.39
PHP	34.27	54.11	63.54	66.42	75.44	80.71	90.35	100.73	117.73	130.49	159.11	250.12	423.72

MEAN	5.465	8.240	9.812	10.847	11.907	12.945	14.811	16.514	19.264	21.445	26.408	41.207	84.406
CLOCK HR. COK.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.045	1.473	1.588	1.775	1.860	1.911	1.735	1.447	1.222	1.501	1.150	.513	.348
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.010	1.000	.900	.800	.601	.800	.700	.400	.400
SKW USEO	1.100	1.300	1.200	1.100	1.010	1.000	.900	.800	.600	.800	.700	.400	.400

KURTOSIS	4.536	6.142	6.964	6.171	8.043	9.141	4.564	6.337	4.935	6.194	4.666	2.788	2.656
RECORD YEAR	1945	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1974
RECORD MAXIMUM	9.340	18.100	22.500	26.710	31.000	34.970	36.000	40.400	45.400	51.780	71.000	128.270	
NORMALIZED MAX	2.000	3.100	3.426	3.125	3.753	4.000	3.500	3.750	3.400	3.200	2.372	2.371	
CALC. COEF. VAN	.313	.347	.391	.378	.492	.388	.340	.350	.346	.337	.315	.312	.219
REGN. COEF. VAN	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAN	.351	.371	.365	.360	.356	.349	.340	.341	.341	.339	.335	.338	.268

MEAN/A	.0847	.1576	.1705	.1411	.1534	.1755	.1956	.2282	.2541	.2129	.4882	1.0000	
HP10/A	.0847	.1461	.1731	.1906	.2648	.2555	.2645	.2645	.2317	.1929	.4526	.7108	.1529
HP25/A	.1117	.1749	.2241	.2248	.2677	.2469	.3282	.3792	.4525	.5149	.8127	.1459	
HP50/A	.1235	.1942	.2277	.2481	.2709	.2994	.3245	.3580	.4119	.4654	.5651	.8553	.1.0060
RP100/A	.1349	.2139	.2499	.2713	.2961	.3151	.3151	.3090	.4428	.5031	.6889	.9541	.1.7009
RP1000/A	.1709	.2771	.3206	.3447	.3754	.3959	.4373	.4780	.5362	.6196	.7426	.1.1648	.1.9825
RP10000/A	.2053	.3381	.3883	.4147	.4517	.4722	.5173	.5616	.6212	.7279	.8656	.1.3584	.2.3230
RP100000/A	.4056	.6409	.7527	.8225	.8944	.9562	1.0704	1.1934	1.3960	1.5660	1.8851	2.0634	.6.0200

STATION NO. BSN ORDER SUB F00 3357 0	STATION NAME GASUET KANGEM STATION	FLEV	SEC	TMP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY	CODE		
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	7.59	10.30	11.77	12.97	13.90	15.19	17.22	18.85	21.84	24.72	31.26	45.04	100.26
5	10.23	14.23	16.07	17.58	18.78	20.24	22.87	24.96	28.82	32.72	41.13	60.71	124.41
10	13.49	19.26	21.52	24.86	26.50	29.59	32.07	36.52	40.52	47.05	52.34	77.36	149.97
20	13.49	20.10	23.31	24.86	26.50	29.59	32.07	36.52	40.52	47.05	52.34	77.36	149.97
25	13.49	20.10	23.31	24.86	26.50	29.59	32.07	36.52	40.52	47.05	52.34	77.36	149.97
40	14.72	21.61	24.04	25.99	29.21	31.39	32.59	36.49	39.48	46.12	57.24	84.64	160.68
50	15.66	22.35	24.83	26.76	28.51	30.21	33.53	36.19	40.87	47.39	54.75	86.89	163.94
100	16.89	26.02	27.25	29.27	31.16	32.90	36.36	39.91	43.92	51.23	63.29	93.64	173.63
200	18.28	26.94	29.62	31.71	33.74	35.50	39.09	41.95	46.84	54.93	67.64	100.10	182.75
1000	21.40	31.69	34.76	37.19	39.54	41.33	45.18	48.20	53.20	63.10	77.20	114.31	207.37
10000	25.70	39.91	42.35	44.73	47.53	49.30	53.44	56.64	61.62	74.13	89.94	133.32	227.83
PHP	50.78	73.75	82.69	86.72	94.12	99.48	104.59	120.35	138.49	157.45	195.46	246.63	512.43

MEAN	8.106	11.234	12.676	13.636	14.860	16.010	18.130	19.731	22.647	25.875	32.525	47.912	102.078
CLOCK HR. COK.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.143	.782	.656	.590	.551	.529	.580	.489	.435	.570	.451	.215	.087
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.010	1.000	.900	.800	.600	.800	.700	.400	.400
SKW USEO	1.100	1.300	1.200	1.100	1.010	1.000	.900	.800	.600	.800	.700	.400	.400

KURTOSIS	8.637	3.375	3.887	3.853	3.522	2.974	2.733	2.357	2.658	3.374	2.734	2.310	2.834
RECORD YEAR	1949	1951	1951	1951	1951	1951	1949	1949	1949	1949	1949	1949	1974
RECORD MAXIMUM	18.700	19.440	22.090	24.190	25.830	26.100	28.210	31.200	36.510	43.000	51.000	68.430	142.770
NORMALIZED MAX	2.668	1.884	2.272	2.313	2.352	2.220	1.870	1.842	1.904	2.234	1.939	1.633	2.056
CALC. COEF. VAR	.470	.388	.337	.313	.315	.284	.288	.289	.307	.297	.295	.254	.194
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0794	.1101	.1742	.1358	.1454	.1568	.1776	.1933	.2219	.2525	.3186	.4694	.1.0000	
HP10/A	.1067	.1809	.2149	.2329	.2545	.2581	.2726	.2863	.3169	.3508	.4080	.5058	.1.3595	
HP25/A	.1061	.1801	.2143	.2304	.2549	.2595	.2722	.2863	.3165	.3507	.4074	.5028	.7814	.1.5039
HP50/A	.1515	.2169	.2433	.2622	.2793	.2960	.3285	.3495	.4004	.4643	.5755	.8512	.1.6060	
RP100/A	.1654	.2412	.2670	.2847	.3052	.3223	.3562	.3833	.4035	.5019	.6200	.9173	.1.7009	
RP1000/A	.2057	.3124	.3425	.3643	.3874	.4149	.4426	.4722	.5211	.6182	.7553	1.1199	.1.9825	
RP10000/A	.2518	.3812	.4149	.4392	.4556	.4829	.5236	.5548	.6037	.7262	.8816	.1.0360	.2.3230	
RP100000/A	.4975	.7252	.8047	.8692	.9221	.9770	1.0834	1.1791	1.3557	1.5424	1.9198	2.8491	.9.0200	

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER Sub FOO 4202 0 INGLEWOOD 1250 06 17N 146° 0 M +31.900 123.770 98

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	400D	500D	
2	5.73	8.25	4.92	11.05	11.89	12.85	14.97	16.50	19.42	21.49	26.12	39.78	84.41									
5	7.72	11.24	13.58	14.99	16.97	17.29	19.49	21.94	25.29	26.45	32.66	52.46	104.63									
10	8.99	13.33	15.91	17.52	18.76	20.00	22.00	25.22	29.21	30.50	39.30	66.86	120.14									
20	10.18	15.35	19.13	19.89	21.26	22.55	25.72	28.18	31.42	36.53	43.73	66.86	120.12									
25	10.55	15.96	18.82	21.71	22.04	23.34	26.58	29.09	33.47	37.70	45.07	68.93	129.10									
40	10.73	17.22	21.26	24.96	24.24	27.34	31.94	35.37	40.10	47.81	73.14	135.12										
50	11.66	17.81	21.92	24.82	24.36	25.71	29.71	31.81	36.28	41.21	49.08	75.09	137.87									
100	12.74	19.42	22.96	24.95	26.65	28.00	31.51	34.34	38.86	44.55	52.87	84.92	146.01									
200	13.74	21.39	24.94	27.03	28.86	30.22	33.99	36.86	41.53	47.77	56.51	86.51	153.94									
1000	15.15	25.41	29.66	31.04	32.59	35.74	42.36	46.22	50.48	54.49	58.79	98.79	174.19									
10000	19.39	31.91	35.89	38.13	41.95	44.74	49.77	54.11	58.65	75.18	115.21	191.60										
PMF	38.31	58.79	69.17	76.64	80.5	84.96	96.16	115.76	122.94	136.92	163.71	251.33	436.94									

MEAN	8.953	10.043	11.819	12.649	13.626	15.763	17.33d	20.105	22.501	27.171	41.405	85.844
CLOCK HR. COR.	1.140	1.170	1.000	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW*	1.248	1.366	1.427	1.381	1.386	1.422	1.138	1.078	1.056	1.056	1.056	1.056
REGIONAL SKW*	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USE	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.965	5.240	5.583	5.814	5.960	6.229	5.282	4.509	3.501	3.974	3.564	2.836	2.789
2	2.94	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
5	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
10	1.70	18.220	22.050	25.050	27.050	29.050	32.760	34.550	37.990	42.900	49.020	67.580	124.640
20	2.072	2.407	2.590	2.835	2.976	3.095	3.264	3.511	3.690	4.226	4.690	4.973	7.151
50	3.62	4.30	4.11	3.95	3.86	3.66	3.39	3.35	3.35	3.38	3.25	2.94	2.141
100	3.51	3.71	3.65	3.60	3.50	3.49	3.40	3.40	3.41	3.39	3.35	3.38	2.68
1000	3.51	3.71	3.65	3.60	3.50	3.49	3.40	3.40	3.41	3.39	3.35	3.38	2.68
PMF	3.51	3.71	3.65	3.60	3.50	3.49	3.40	3.40	3.41	3.39	3.35	3.38	2.68

MEAN/A	.0712	.1143	.1244	.1377	.1479	.1587	.1836	.2020	.2342	.2521	.3155	.4823	1.0000
RP10/A	1.048	1.151	1.183	2.041	2.180	2.330	2.672	2.937	3.030	3.809	4.579	.6996	1.3529
RP25/A	1.229	1.189	2.193	2.041	2.567	2.719	3.107	3.388	3.891	4.392	5.250	.8029	1.4039
RP50/A	1.359	2.175	2.437	2.655	2.841	2.996	3.397	3.704	4.226	4.801	5.717	.8747	1.6000
RP100/A	1.484	2.295	2.675	2.960	3.175	3.282	3.683	4.005	4.542	5.190	6.159	.9426	1.7009
RP1000/A	1.581	2.661	3.32	3.673	3.944	4.497	4.576	4.934	5.501	6.393	7.513	1.1508	1.9825
RP10000/A	2.259	3.612	4.157	4.442	4.737	4.887	5.143	5.579	6.673	7.509	8.975	1.3421	2.2320
PMF/A	4.463	6.647	8.058	8.811	9.379	9.997	1.1201	1.2327	1.4322	1.5950	1.9070	2.9277	5.0200

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER Sub FOO 5424 0 MEUDFOUR NWS OREGON 1310 42.33 122.850 61

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	400D	500D	
2	1.91	2.50	2.86	3.20	3.47	3.70	3.99	4.35	4.91	5.39	6.51	9.17	20.58									
5	2.57	3.44	3.91	4.34	4.69	4.96	5.30	5.76	6.46	7.14	8.56	12.10	25.53									
10	2.91	4.06	4.59	5.02	5.45	5.76	6.12	6.62	7.21	8.21	9.45	13.84	28.34									
20	3.19	4.45	5.23	5.75	6.15	6.56	6.96	7.41	8.19	9.27	10.89	15.52	30.79									
25	3.51	4.84	5.43	5.96	6.43	6.72	7.09	7.64	8.44	9.46	11.23	15.89	31.51									
40	3.57	5.22	5.85	6.07	6.55	7.19	7.56	8.12	8.93	10.06	11.67	16.87	32.98									
50	3.88	5.40	6.04	6.60	7.12	7.41	7.78	8.35	9.16	10.34	12.23	17.31	33.64									
100	4.24	5.95	6.63	7.22	7.78	8.07	8.43	9.03	9.85	11.18	13.17	18.66	35.63									
200	4.59	6.49	7.21	7.82	8.42	8.70	9.07	9.68	10.50	11.99	14.06	19.95	37.51									
500	5.30	7.71	9.21	9.82	10.41	10.84	11.48	11.12	11.93	13.07	14.07	16.07	22.76	41.53								
1000	4.46	9.41	10.39	11.04	11.87	12.09	12.74	13.07	13.77	14.56	15.18	18.93	36.57									
10000	12.76	17.83	19.97	21.89	23.50	24.47	25.05	27.77	31.05	34.36	40.78	57.95	105.16									

MEAN	2.036	2.716	3.084	3.424	3.706	3.925	4.205	4.553	5.078	5.647	6.769	9.547	20.949
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW*	.832	.979	1.159	1.182	1.097	1.099	.919	.789	.741	.714	.650	.832	.288
REGIONAL SKW*	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.600	.700	.400
SKW USE	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.600	.600	.700	.400

KURTOSIS	3.104	3.814	4.552	4.653	4.697	4.266	4.367	4.599	4.737	4.958	5.144	3.810	4.200
2	20	20	20	20	20	20	20	20	20	20	20	20	20
5	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
10	3.200	6.100	7.000	7.800	8.600	9.200	9.800	10.500	11.200	11.900	12.600	13.400	14.700
20	1.195	2.148	2.148	2.418	2.345	2.346	2.590	2.609	2.693	2.749	2.844	2.944	2.945
50	1.449	4.457	4.644	4.644	4.436	4.436	4.401	3.96	.397	.379	.395	.275	.275
100	.414	.449	.449	.449	.3447	.3713	.3850	.4026	.4309	.4701	.5337	.6287	.8907
1000	.351	.371	.365	.360	.360	.360	.360	.360	.360	.360	.360	.360	.360
10000	.3082	.4470	.4918	.5268	.5664	.5769	.6596	.6738	.7723	.8393	.1.0873	.1.	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMR RNG LOT HWH LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB F10 5941 0 MT MERRION RS 4250 32 4AN NW N 41°78'3" 122°00'0" 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.72	1.89	1.98	2.09	2.17	2.37	2.76	2.94	3.42	5.09	17.25	
5	1.99	2.37	2.58	2.69	2.82	2.92	3.31	3.63	3.90	4.63	6.71	15.20	
10	2.32	2.80	3.03	3.15	3.31	3.29	3.63	3.87	4.14	4.48	5.29	7.68	18.87
20	2.83	3.20	3.45	3.57	3.73	3.89	4.07	4.25	4.60	5.00	5.89	8.55	18.32
25	2.72	3.33	3.58	3.70	3.87	3.95	4.21	4.39	4.74	5.16	6.07	8.62	18.75
40	2.77	3.61	3.85	3.76	3.94	4.23	4.49	4.87	5.02	5.49	8.44	9.36	19.83
50	3.01	3.72	3.93	4.02	4.20	4.35	4.62	4.80	5.15	5.64	6.81	9.51	20.03
100	3.29	4.21	4.47	4.57	4.80	4.94	5.10	5.51	5.80	7.12	8.20	21.21	
200	3.56	4.47	4.75	4.85	5.07	5.12	5.34	5.61	6.50	7.61	10.07	22.32	
1000	4.18	5.31	5.60	5.69	5.94	5.95	6.22	6.39	6.70	7.51	8.68	12.64	24.72
10000	5.00	6.44	6.79	6.84	7.14	7.10	7.36	7.51	7.78	8.43	10.12	14.74	27.83
PHP	9.88	12.27	13.18	13.58	14.14	14.38	15.22	15.95	17.44	18.75	22.04	32.15	87.59

MEAN	1.577	1.470	2.333	4.121	2.233	2.307	2.496	2.515	2.453	3.001	3.659	5.297	12.489
CLOCK HR. COEF.	1.140	1.70	1.040	1.120	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.615	1.492	1.618	1.555	1.470	1.345	1.400	1.482	1.515	.883	.855	.823	.384
REGIONAL SKW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.700	.400

KUHTUSIS	2.677	6.900	7.479	7.055	6.199	5.823	5.092	5.704	5.151	5.381	5.277	3.395	3.006
RECORD MAX	.93	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	2.950	5.150	5.880	6.010	6.130	6.150	6.340	6.37	6.490	7.100	7.970	10.310	20.050
NORMALIZED MAX	1.565	2.914	3.122	3.155	3.038	2.969	2.879	2.889	2.482	2.920	2.912	2.369	1.954
CALC. COEF. VAR	.563	.602	.608	.581	.576	.551	.535	.500	.467	.447	.445	.400	.311
REGN. COEF. VAR	.351	.371	.365	.350	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/H	.1265	.1500	.1530	.1701	.1789	.1850	.2002	.2097	.2284	.2471	.2934	.4248	1.0000
RP10/A	.1800	.2444	.2428	.2522	.2643	.2715	.2913	.3055	.3324	.3591	.4225	.6162	.1529
RP25/A	.2182	.2672	.2872	.2986	.3104	.3169	.3375	.3510	.3800	.4141	.4867	.7071	.14039
RP50/A	.2412	.2943	.3193	.3284	.3435	.3491	.3702	.3847	.4126	.4526	.5300	.7703	.14680
RP100/A	.2635	.3246	.3596	.3746	.3946	.4026	.4214	.4414	.4743	.5107	.5701	.7709	
RP1000/A	.3344	.4256	.4495	.4563	.4765	.4776	.4984	.5134	.5374	.5627	.5985	.6101	.61925
RP10000/A	.4011	.5193	.5455	.5689	.5727	.5646	.5900	.6020	.6225	.6708	.8118	.11820	.22230
PHP/A	.7925	.9444	1.0555	1.0888	1.1391	1.1535	1.2209	1.2794	1.3990	1.5037	1.7679	2.5784	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMR RNG LOT HWH LATITUDE LONGITUDE COUNTY CODE  
850 ORDER SUB F20 1316 0 CALLAHAN RS 3136 21 4DN 0SW N 41°30'0" 122°80'0" 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.37	3.01	3.36	3.66	3.99	4.30	4.76	5.14	5.76	6.28	7.42	10.47	21.38
5	3.18	4.14	4.59	4.96	5.40	5.76	6.32	6.81	7.59	8.31	9.77	13.81	26.54
10	3.71	4.89	5.39	5.80	6.20	6.69	7.29	7.82	8.67	9.55	11.17	15.81	29.45
20	4.20	5.60	6.14	6.58	7.14	7.54	8.18	8.75	9.62	10.67	12.43	17.60	31.99
25	4.35	5.83	6.38	6.82	7.40	7.81	8.45	9.03	9.91	11.01	12.81	18.14	32.74
40	4.43	6.29	6.86	6.94	7.53	8.35	9.01	9.61	10.50	11.71	13.59	19.25	
50	4.61	6.59	7.09	7.55	8.19	8.60	9.28	9.88	10.77	12.04	13.95	19.76	34.97
100	5.26	7.16	7.78	8.26	8.95	9.36	10.05	10.68	11.57	13.00	15.02	21.30	37.80
200	5.49	7.81	8.47	8.96	9.64	10.20	10.80	11.40	12.26	13.95	16.06	21.77	39.98
1000	6.47	9.48	9.98	10.50	11.36	11.76	12.38	13.16	14.01	16.03	16.33	26.00	43.16
10000	8.00	11.32	12.09	12.63	14.66	14.03	14.77	15.46	16.23	18.43	21.36	30.32	48.59
15000	15.82	21.44	23.44	25.04	27.05	28.41	30.56	32.85	36.48	39.99	46.52	66.14	109.29

MEAN	2.524	3.264	3.621	3.913	4.266	4.557	5.010	5.385	5.966	6.572	7.722	10.897	21.772
CLOCK HR. COEF.	1.140	1.670	1.870	1.920	1.701	1.910	1.000	1.000	1.295	1.000	1.000	1.000	1.000
CALCULATED SKW	1.780	1.779	1.691	1.785	1.778	1.778	1.683	1.777	1.694	1.526	1.526	1.526	1.526
REGIONAL SKW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KUHTUSIS	8.538	7.563	8.393	6.219	6.447	6.870	7.247	6.937	6.808	7.292	8.020	3.059	2.941
RECORD MAX	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
NORMALIZED MAX	4.931	7.510	9.260	9.980	10.600	11.290	11.910	12.22	13.200	14.630	15.940	19.480	36.500
CALC. COEF. VAR	.416	.442	.487	.516	.489	.480	.433	.412	.386	.382	.369	.298	
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/H	.1159	.1502	.1663	.1797	.1959	.2093	.2301	.2473	.2740	.3018	.3547	.5005	1.0000
RP10/A	.1705	.2247	.2477	.2895	.3072	.3368	.3597	.3981	.4386	.5130	.7260	1.3529	
RP25/A	.2000	.2676	.2930	.3134	.3401	.3585	.3880	.4149	.4552	.5058	.5883	.8332	1.5039
RP50/A	.2211	.2987	.3257	.3470	.3763	.3950	.4255	.4543	.4945	.5559	.6405	.9077	1.6050
RP100/A	.2416	.3290	.3575	.3795	.4113	.4301	.4545	.4745	.5145	.5745	.7745	.1012	1.4079
RP1000/A	.3049	.4266	.4586	.4821	.5220	.5440	.5734	.6042	.6426	.7362	.8418	.11942	.9825
RP10000/A	.3977	.5200	.5555	.5799	.6444	.6783	.7099	.7456	.7868	.8913	.9813	.13297	2.2320
PHP/A	.7264	.9858	1.0768	1.1503	1.2423	1.3050	1.4030	1.5067	1.6756	1.8367	2.1369	3.0381	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME  
ASN ORDER SUB  
F20 2899 0 FTNA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.74	3.75	4.56	5.15	5.41	5.72	6.28	7.01	8.03	9.64	10.02	14.43	26.82
5	3.69	5.15	6.22	6.94	7.31	7.67	8.34	9.28	10.57	11.94	13.19	19.02	32.28
10	4.10	6.09	7.31	8.17	8.90	9.47	10.67	12.47	13.14	15.48	21.78	34.94	
20	4.97	7.33	8.26	9.47	10.39	11.79	13.92	15.40	17.78	21.24	24.41	41.11	
25	5.64	7.24	8.65	9.50	10.30	10.39	11.14	12.31	13.80	15.16	17.30	24.99	41.06
40	9.13	7.82	9.31	9.77	10.20	11.11	11.83	13.09	14.62	16.12	18.35	29.52	42.98
50	9.57	8.08	9.62	10.63	11.09	11.45	12.22	13.45	14.99	16.57	18.83	27.23	43.85
100	6.04	8.91	10.56	11.63	12.12	12.44	13.25	14.54	16.11	17.91	21.29	29.34	46.44
200	6.59	9.71	11.47	12.60	13.13	13.44	14.25	15.58	17.16	19.20	21.58	31.04	48.88
1000	7.71	11.53	13.54	14.71	15.39	15.66	16.47	17.92	19.51	22.08	24.55	35.82	54.13
10000	9.26	14.07	16.40	17.47	18.49	19.68	21.05	22.61	25.92	28.45	31.78	60.76	
PMP	16.37	26.69	31.80	34.25	37.02	41.31	44.74	50.80	55.95	62.92	69.13	137.06	

MEAN	2.922	4.064	4.911	5.508	5.775	6.064	6.609	7.335	8.307	9.046	10.427	15.013	27.303
CLOCK HR. COR.	1.190	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.170	2.244	1.694	1.218	1.147	1.288	1.585	1.422	1.093	1.235	1.234	.814	-0.155
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	10.639	10.952	8.074	8.848	8.552	6.003	7.767	7.504	5.585	6.111	6.119	3.554	2.291
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1465	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	6.44	10.70	12.00	13.69	14.11	16.70	17.92	18.870	20.810	22.530	28.330	39.100	
NORMALIZED MAX	2.454	3.259	3.126	2.413	2.413	2.995	3.274	3.274	2.945	2.945	2.945	2.945	
CALC. COEF. VAR	.418	.501	.494	.473	.469	.477	.468	.448	.444	.444	.388	.383	.302
REGN. COEF. VAR	.351	.371	.365	.350	.356	.349	.340	.341	.339	.335	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.335	.338	.268

MEAN	1.107	1.488	1.790	2.017	2.116	2.222	2.421	2.686	2.942	3.213	3.819	5.499	1.0000
HP10/A	.1574	.7229	.2679	.2991	.4126	.3251	.3522	.3907	.4241	.4816	.5525	.7976	.1529
HP25/A	.1946	.2552	.3169	.3517	.3671	.3695	.4822	.4507	.5054	.5552	.6330	.9154	.1539
HP50/A	.2091	.2961	.3523	.3894	.4052	.4193	.4476	.4927	.5590	.5699	.6848	.972	.1606
PP100/A	.2229	.2461	.3866	.4259	.4400	.4565	.4854	.5327	.5901	.6581	.7432	.1.0747	.1.7009
PP1000/A	.2952	.4225	.4960	.5411	.5636	.5735	.6032	.6563	.7146	.8081	.9065	.1.3119	.1.9825
PP10000/A	.3393	.5155	.6008	.6559	.6974	.6844	.7135	.7711	.8279	.9492	1.0567	1.5301	2.2320
PPM/A	.6704	.9771	1.1646	1.2910	1.3413	1.3492	1.4765	1.6387	1.8665	2.0162	2.3010	3.3378	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME  
ASN ORDER SUB  
F20 5785 0 MONTAUGE 3 NE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.27	1.56	1.74	1.88	1.96	2.09	2.26	2.44	2.83	3.12	3.76	5.14	11.87
5	1.71	2.15	2.38	2.56	2.65	2.80	3.00	3.24	3.73	4.13	4.95	6.78	14.73
10	1.99	2.54	2.91	3.10	3.39	3.51	3.66	3.92	4.46	4.26	4.75	7.76	16.45
20	2.25	2.91	3.41	3.39	3.51	3.66	3.82	4.12	4.67	5.11	5.31	6.30	11.76
50	2.37	3.02	3.36	3.51	3.64	3.79	4.04	4.29	4.87	5.49	5.80	8.40	19.18
100	2.37	3.24	3.56	3.57	3.74	3.70	4.05	4.28	4.57	5.16	5.83	8.89	19.02
200	2.54	3.37	3.67	3.89	4.03	4.18	4.40	4.69	5.29	5.99	7.07	9.70	19.41
500	2.82	3.71	4.03	4.25	4.51	4.77	5.07	5.69	6.47	7.62	10.45	20.56	
1000	3.05	4.05	4.38	4.61	4.77	4.91	5.13	5.44	6.06	6.64	8.15	11.17	21.64
10000	3.57	4.81	5.17	5.41	5.59	5.71	5.93	6.25	6.89	7.57	9.37	12.76	23.96
PMP	8.47	11.13	12.14	12.90	13.29	13.80	14.92	15.81	17.93	19.90	23.60	32.40	60.67

MEAN	1.352	1.695	1.875	2.015	2.097	2.214	2.380	2.559	2.932	3.270	3.917	5.348	12.085
CLOCK HR. COR.	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.125	.815	.806	.795	.765	.938	.970	.974	.710	.575	.554	.355	.058
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.984	3.470	3.395	3.480	3.561	3.920	3.772	3.709	3.097	2.800	2.591	2.484	2.677
N	73	73	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1930	1965	1965	1965	1906	1906	1927	1927	1927	1927	1927	1927	1927
RECORD MAXIMUM	2.610	3.464	4.056	4.420	4.690	5.494	5.954	6.404	7.040	8.100	10.240	17.110	
NORMALIZED MAX	2.545	2.817	2.988	3.078	3.111	3.239	2.933	2.933	2.933	2.768	2.569	2.327	2.340
CALC. COEF. VAR	.365	.416	.415	.405	.412	.427	.439	.439	.422	.422	.425	.392	.340
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.340	.340	.339	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.340	.340	.339	.338	.268

MEAN	1.119	1.402	1.552	1.667	1.735	1.832	2.117	2.426	2.705	3.241	4.425	1.0000	
HP10/A	.1546	.2699	.2311	.2472	.2563	.2688	.2865	.3079	.3526	.3931	.4688	.6418	.13529
HP25/A	.1930	.2499	.2734	.2907	.3111	.3137	.3220	.3552	.4031	.4533	.5376	.7366	.15039
HP50/A	.2134	.2790	.3039	.3219	.3331	.3457	.3604	.3883	.4379	.4955	.5584	.8024	.16060
PP100/A	.2331	.3673	.3335	.3520	.3641	.3764	.3794	.4199	.4706	.5357	.6305	.8648	.17009
PP1000/A	.2954	.3981	.4279	.4472	.4622	.4728	.4967	.5173	.5699	.6598	.7692	1.0557	.19825
PP10000/A	.3568	.4457	.5183	.5386	.5555	.5639	.5869	.6078	.6603	.7751	.8966	.1.2316	.2.3230
PPM/A	.7016	.9207	1.0047	1.0671	1.1000	1.1426	1.2011	1.2916	1.4838	1.6464	1.9525	.2.6856	.5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=URGENCY=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB F20 9466 0 YHEKA 159 2631 27 45W M 41.717 122.633 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.79	2.24	2.53	2.83	3.02	3.25	3.54	3.76	4.37	4.70	5.48	7.60	17.22
5	2.42	3.08	3.45	3.84	4.06	4.43	4.77	5.05	5.52	5.76	6.22	7.21	21.37
10	3.22	3.74	4.06	4.43	4.77	5.05	5.52	5.89	6.54	7.04	8.24	11.47	25.76
20	3.19	4.17	4.62	5.03	5.40	5.70	6.08	6.36	7.30	7.98	9.17	12.77	25.76
25	3.30	4.34	4.86	5.28	5.61	5.90	6.28	6.57	7.52	8.24	9.45	13.17	26.37
40	3.33	4.68	5.16	5.37	5.70	6.31	6.70	6.98	7.96	8.76	10.03	13.97	27.60
50	3.65	4.84	5.34	5.65	6.20	6.50	6.89	7.18	8.17	9.08	10.30	14.34	24.16
100	3.49	5.34	5.86	6.39	6.77	7.08	7.47	7.76	8.76	9.73	11.08	15.66	29.83
200	4.32	5.67	6.26	6.73	7.13	7.43	7.81	8.03	9.08	10.28	11.95	15.40	31.40
500	5.61	6.91	7.51	8.13	8.50	8.99	9.36	10.61	11.99	13.53	16.87	24.77	54.77
1000	6.07	8.43	9.10	10.77	10.33	10.60	11.99	11.23	12.32	14.09	15.77	22.01	39.14
PMP	12.00	15.99	17.64	19.39	20.44	21.47	22.72	23.88	27.68	29.92	34.34	48.01	88.03

MEAN	1.914	2.453	2.724	3.029	3.227	3.443	3.725	3.914	4.527	4.916	5.700	7.910	17.537
CLOCK MR. COH.	1.140	1.670	1.040	1.021	1.019	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.336	1.423	1.563	1.475	1.371	1.291	1.144	1.134	1.032	.841	.598	.356	.346
REGIONAL SKEW	1.190	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	.800	.700	.700	.400

KURTOSIS	6.166	6.343	6.981	6.114	5.071	5.170	4.791	5.023	4.674	4.304	3.269	2.583	2.357
N	61	61	61	61	61	61	61	61	61	61	61	61	61
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1956
RECORD MAXIMUM	4.576	6.423	8.070	9.259	9.469	10.080	10.784	12.020	12.690	13.340	15.970	29.920	
NORMALIZED MAX	3.122	3.631	3.913	3.762	3.750	3.593	3.574	3.706	3.683	3.578	3.130	2.553	2.184
CALC. COEF. VAR	.444	.497	.502	.505	.498	.498	.477	.473	.449	.441	.427	.399	.323
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.338	.268	
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.338	.268	

MEAN/A	1.019	1.384	1.553	1.727	1.940	1.163	2.124	.223	.2581	.2803	.3250	.4510	1.0000
RP10/A	1.107	2.273	2.213	2.561	2.719	2.882	3.091	3.246	3.751	4.074	4.701	6.543	13.359
RP25/A	1.145	2.475	2.737	3.102	3.194	3.393	3.582	3.744	4.288	4.498	5.391	7.591	15.539
RP50/A	2.104	2.762	3.042	3.335	3.534	3.705	3.929	4.093	4.658	5.135	5.871	8.180	16.600
RP100/A	2.276	3.434	3.339	3.647	3.662	4.034	4.260	4.426	5.007	5.551	6.324	8.174	17.709
RP1000/A	2.804	3.941	4.283	4.633	4.962	5.084	5.294	5.543	6.663	6.883	7.714	10.761	19.985
RP10000/A	3.494	4.603	5.189	5.573	5.952	6.045	6.262	6.466	7.624	8.032	8.892	10.551	21.2320
PHM/A	4.844	9.116	10.050	11.055	11.167	12.224	12.958	13.361	15.785	17.059	19.982	23.7378	50.0200

## PRECIPITATION DEPTH=URGENCY=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB F30 1616 0 CECILVILLE 5 SE 2980 12 37N 11W M 40.190 123.050 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION n-DAYS m-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.35	4.48	5.40	6.20	6.76	7.16	7.86	8.64	9.90	10.71	13.03	19.45	39.74
5	4.51	6.70	7.37	8.44	9.13	9.63	10.46	11.45	13.10	14.16	17.14	24.31	49.37
10	5.25	7.29	8.46	9.24	10.60	11.46	12.57	13.54	14.89	16.30	19.60	30.12	54.80
20	5.95	8.33	9.87	11.16	12.53	13.25	14.54	15.70	16.52	18.21	21.81	33.53	59.50
25	6.66	1.025	11.57	12.53	13.01	13.99	15.16	17.02	18.79	22.48	34.57	60.91	
40	6.27	9.35	11.02	11.77	12.74	13.91	14.32	16.15	18.03	19.99	23.85	36.69	63.75
50	6.81	9.67	11.39	12.81	13.46	14.33	15.34	16.59	18.49	20.54	24.48	37.66	65.05
100	7.44	10.65	12.50	14.00	15.15	15.61	16.64	17.94	19.87	22.21	26.37	40.59	68.89
200	8.05	11.62	13.56	15.17	16.61	16.94	17.89	19.24	21.21	23.49	28.48	47.25	72.51
500	9.43	13.86	16.03	17.84	19.23	19.94	20.47	21.94	24.06	27.35	32.17	49.55	80.30
1000	11.32	16.44	19.42	21.44	24.17	23.39	24.64	25.97	27.98	32.13	37.49	57.78	90.40
PMP	22.38	31.92	37.65	42.45	45.17	47.36	55.61	55.19	52.65	68.25	81.65	126.05	203.33

MEAN	3.571	4.862	5.815	6.633	7.219	7.595	8.297	9.049	10.245	11.216	13.552	20.767	40.503
CLOCK MR. COH.	1.140	1.670	1.940	1.023	1.019	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.064	.694	1.338	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.333
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	9.020	3.062	2.246	1.694	2.755	2.960	2.998	2.916	2.732	3.119	2.570	2.445	2.007
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1964	1964	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1952
RECORD MAXIMUM	9.200	9.100	9.290	12.390	12.610	13.460	14.430	15.020	16.090	17.610	19.350	32.570	61.600
NORMALIZED MAX	2.760	1.923	1.488	2.053	1.446	1.958	1.999	1.945	1.647	1.704	1.508	1.772	1.798
CALC. COEF. VAR	.553	.453	.402	.421	.398	.394	.370	.339	.346	.335	.284	.321	.290
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0982	1.200	1.436	1.638	1.782	1.875	2.048	2.234	2.529	2.769	.3346	.5127	1.0000
RP10/A	.1297	.1797	.2138	.2428	.2633	.2752	.2981	.3249	.3675	.3747	.4024	.4840	.7437
RP25/A	.1521	.2139	.2529	.2856	.3093	.3212	.3545	.3747	.4202	.4640	.5550	.8535	.15039
RP50/A	.1682	.2398	.2812	.3162	.3422	.3539	.3784	.4097	.4565	.5072	.6043	.9298	.16060
RP100/A	.1837	.2630	.3086	.3458	.374								

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB F30 3761 0 HAPPY CAMP 1090 11 16N 07E M 41°8'0" 123.383 CODE 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.48	5.04	6.13	7.07	7.83	8.49	9.59	10.75	12.98	14.64	17.79	26.05	52.88
5	4.48	6.92	8.37	9.58	10.54	11.39	12.74	14.26	17.09	19.38	23.40	34.30	65.59
10	5.46	8.19	9.84	11.20	12.35	13.22	14.69	16.34	19.52	22.27	26.77	39.38	72.81
20	6.18	9.37	11.21	12.71	14.00	14.91	16.47	18.32	21.61	24.88	29.78	43.79	79.06
25	6.90	9.74	11.64	13.18	14.51	15.43	17.02	18.91	22.31	25.68	30.57	45.15	80.94
40	6.51	11.51	12.52	13.40	14.76	16.50	18.15	20.11	23.63	27.32	32.57	47.91	84.71
50	7.08	10.87	12.94	14.59	16.06	17.00	18.67	20.67	24.24	26.07	33.43	49.18	86.43
70	7.61	11.97	14.20	15.75	17.55	18.81	20.25	22.25	25.08	30.35	36.49	53.00	91.54
90	8.47	13.06	14.08	14.28	14.94	15.97	17.94	20.08	22.94	25.77	32.54	39.59	59.35
1000	9.80	15.51	18.21	20.27	22.47	23.25	25.16	27.53	31.55	37.38	43.93	64.70	106.69
10000	11.77	18.92	22.06	24.38	26.77	27.73	29.76	32.35	36.55	43.91	51.20	75.46	120.11
PMP	23.25	35.87	42.76	46.30	53.01	56.16	61.58	66.75	82.13	93.26	111.50	164.02	270.18

MEAN	3.710	5.064	6.604	7.556	8.361	9.008	10.098	11.270	13.431	15.327	18.508	27.119	53.816
CLOCK HR. COEF.	1.140	1.077	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.745	1.057	1.156	1.095	.876	.819	.475	.531	.782	.784	.681	.547	.391
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	.400
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	.400
KURTOSIS	3.299	4.315	4.640	4.257	3.863	3.726	3.011	3.271	3.465	4.500	3.028	2.674	2.98
N	38	36	36	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1951	1951	1951	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	5.350	10.340	12.540	14.080	15.650	16.780	18.570	21.05	24.060	32.210	35.190	48.370	47.130
NORMALIZED MAX	1.559	2.634	2.682	2.730	2.699	2.667	2.563	2.633	2.663	3.141	2.564	2.195	2.261
CALC. COEF. VAR	.284	.339	.335	.316	.324	.324	.328	.330	.353	.346	.350	.357	.274
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0649	.1015	.1227	.1402	.1554	.1674	.1874	.2094	.2496	.2848	.3439	.5039	1.0000
RPI10/A	.1014	.1520	.1828	.2082	.2295	.2457	.2730	.3046	.3826	.4138	.4974	.7310	1.3529
RPI25/A	.1189	.1809	.2162	.2448	.2696	.2867	.3163	.3513	.4146	.4772	.5704	.8389	1.5039
RPS05/A	.1315	.2020	.2404	.2711	.2983	.3159	.3469	.3841	.4504	.5216	.6211	.9139	1.6060
RPI100/A	.1436	.2225	.2636	.2984	.3261	.3439	.3662	.4153	.4840	.5639	.6692	.9849	1.7009
RPI1000/A	.1820	.2862	.3384	.3766	.4139	.4321	.4675	.5116	.5862	.6946	.8162	.10203	1.9825
RPI10000/A	.2184	.3516	.4100	.4530	.4905	.5154	.5530	.6011	.6791	.8159	.9514	.14022	2.2320
PMP/A	.3519	.6685	.7560	.8985	.9851	1.0436	1.1443	1.2775	1.5261	1.7330	2.0719	3.0589	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB F30 4577 0 KLAATHM 78 25 15 13N 01E M 41°51' 124°033' 08

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.04	7.14	8.50	9.40	10.16	11.09	12.51	14.03	16.04	18.77	23.15	37.65	81.92
5	6.79	9.81	11.60	12.75	13.73	14.90	16.22	18.59	21.02	24.34	31.46	49.85	101.65
10	7.91	11.53	13.63	14.90	16.03	17.27	19.17	21.37	25.02	28.55	34.84	56.84	112.84
20	8.96	13.27	15.53	16.90	18.17	19.47	21.50	23.88	27.77	31.90	39.76	63.27	122.53
25	9.28	13.80	16.12	17.52	18.83	20.15	22.22	24.65	28.61	32.92	40.75	65.23	125.44
40	9.44	14.89	17.35	17.83	19.16	21.55	23.69	26.25	30.30	35.02	42.39	69.22	131.28
50	10.29	15.40	17.92	19.40	20.89	22.20	24.37	26.95	31.00	35.99	43.51	71.08	133.95
70	11.21	16.09	19.67	21.52	23.78	24.18	26.24	29.41	32.24	36.90	46.81	73.70	131.67
90	12.49	18.56	21.79	22.99	24.86	26.54	29.14	31.24	35.91	41.11	51.09	81.87	142.42
1000	14.21	21.98	25.23	26.98	28.91	30.37	32.83	35.90	40.45	47.92	57.17	93.49	165.35
10000	17.07	26.82	30.56	32.43	34.75	36.22	38.84	42.17	46.86	56.29	66.04	109.04	196.10
PMP	33.72	50.83	59.24	64.32	68.80	73.36	80.37	89.63	105.30	119.56	145.12	237.00	418.69

MEAN	5.382	7.743	9.144	10.050	10.852	11.765	13.175	14.693	17.221	19.648	24.086	39.188	83.405
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.749	1.057	1.073	.873	.805	.747	.479	.482	.390	.579	.213	.047	.040
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	.400
USED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700	.700	.400	.400
KURTOSIS	4.129	5.045	4.544	3.853	3.928	3.643	2.781	2.690	2.840	2.878	3.182	5.785	2.919
N	32	36	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1972	1972	1972	1972	1972	1972	1972	1972	1972	1972	1972	1948	1974
RECORD MAXIMUM	8.900	13.950	15.740	16.370	18.000	20.500	22.100	27.200	30.120	37.370	60.100	119.070	
NORMALIZED MAX	1.991	2.528	2.582	2.418	2.471	2.525	2.322	2.036	2.180	2.105	2.324	3.351	2.199
CALC. COEF. VAR	.328	.317	.279	.260	.267	.250	.239	.248	.267	.253	.237	.312	.194
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0645	.0928	.1097	.1205	.1301	.1411	.1580	.1762	.2065	.2356	.2888	.4690	1.0000
RPI10/A	.0949	.1390	.1634	.1767	.1922	.2071	.2299	.2562	.3000	.3423	.4177	.6015	1.3529
RPI25/A	.1113	.1655	.1933	.2101	.2258	.2416	.2664	.2953	.3430	.3948	.4790	.7021	1.5039
RPS05/A	.1231	.1847	.2146	.2326	.2498	.2602	.2921	.3231	.3726	.4315	.5215	.8520	1.8000
RPI100/A	.1346	.2034	.2324	.2544	.2731	.2999	.3160	.3408	.4008	.4665	.5620	.8082	1.7009
RPI1000/A	.1704	.2455	.2820	.3242	.3641	.4041	.4541	.5041	.5804	.6535	.7515	.1120	.2225
RPI10000/A	.2046	.3215	.3686	.4066	.4343	.4657	.5057	.5818	.6749	.7990	.10373	.2320	
PMP/A	.4043	.6095	.7103	.7712	.8249	.8936	1.0746	1.2928	1.4335	1.7309	2.8519	5.0200	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
F30 6328 0 OAK KNOB RANGER STATION 1963 12 46N 09W H 41.833 122.050 47

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.07	2.89	3.63	4.00	4.36	4.68	5.17	5.85	6.69	7.28	8.35	12.04	26.33
5	2.18	3.97	4.95	5.47	5.89	6.27	6.86	7.92	8.61	9.54	10.98	16.93	32.69
10	3.24	4.70	5.82	6.40	6.88	7.27	7.92	8.87	10.06	11.08	12.56	19.38	36.27
20	3.67	5.38	6.63	7.20	7.79	8.21	8.88	9.91	11.16	12.38	13.97	21.57	39.39
25	3.81	5.59	6.88	7.52	8.05	8.50	9.17	10.23	11.50	12.78	14.40	22.24	40.32
40	3.87	6.03	7.40	7.66	8.22	9.09	9.78	10.86	12.18	13.59	15.28	23.60	42.20
50	4.21	6.24	7.75	8.33	8.94	9.36	10.06	11.18	12.49	13.99	15.68	24.23	43.06
100	4.60	6.50	8.39	9.11	9.71	10.20	10.91	12.41	13.42	15.10	16.90	26.31	45.81
200	4.77	7.50	9.42	10.58	11.71	12.07	13.73	14.84	15.81	17.60	19.77	31.00	48.00
1000	5.63	8.91	10.77	11.56	12.00	12.61	13.56	14.90	15.26	18.59	20.61	31.88	53.16
10000	7.00	10.87	13.05	13.92	14.90	15.28	16.04	17.50	18.83	21.94	24.02	37.18	59.85
PMP	13.82	20.60	25.29	27.62	29.50	30.94	33.19	37.20	42.33	46.39	52.31	81.10	134.60

MEAN	2.206	3.137	3.905	4.315	4.654	4.982	5.440	6.098	6.922	7.624	8.682	13.360	26.813
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+1.48	+2.84	+3.39	+4.69	+5.88	+7.07	+7.62	+8.86	+10.58	+11.00	+12.96	+1.299	+5.27
REGIONAL SKEW	-1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	3.140	3.136	2.974	2.886	3.567	3.346	4.052	5.056	5.150	6.344	7.790	3.118	3.131
RECORD N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1972	1974	1985	1985	1965	1965	1965	1965	1965	1965	1965	1965	1974
RECORD MAXIMUM	2.930	4.980	6.350	7.480	8.940	9.300	10.550	12.410	14.440	16.290	17.890	24.380	43.230
NORMALIZED MAX	1.238	1.744	1.819	2.047	2.388	2.302	2.614	2.874	2.904	3.126	3.376	2.386	2.186
CALC. COEF. VAR	+2.65	+3.37	+3.44	+3.58	+3.86	+3.80	+3.59	+3.60	+3.74	+3.64	+3.14	+2.80	
REON. COEF. VAR	+351	+371	+365	+360	+356	+349	+340	+340	+341	+339	+335	+338	+268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0823	.1170	.1457	.1609	.1736	.1850	.2029	.2274	.2581	.2843	.3238	.4983	1.0000
RP10/A	.1210	.1751	.2169	.2386	.2564	.2716	.2953	.3307	.3751	.4132	.4668	.7228	1.3529
RP25/A	.1419	.2095	.2566	.2866	.3012	.3170	.3422	.3815	.4288	.4765	.5371	.8295	1.5039
RP50/A	.1569	.2328	.2853	.3107	.3333	.3492	.3752	.4171	.4658	.5208	.5849	.9038	1.6060
RP100/A	.1714	.2504	.3131	.3398	.3643	.3802	.4069	.4509	.5007	.5630	.6301	.9738	1.7009
RP1000/A	.2172	.3321	.4016	.4311	.4623	.4777	.5056	.5558	.6051	.6935	.7688	1.1888	1.9825
RP10000/A	.2669	.4052	.4866	.5193	.5557	.5867	.6280	.6724	.7024	.8146	.8959	.9305	2.3230
RP/M/A	.5155	.7681	.9431	1.0301	1.1004	1.1537	1.2377	1.3872	1.5786	1.7302	1.9510	3.0246	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
F30 6508 0 ORLEANS 416 403 31 1IN 06E H 41.300 123.533 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.17	4.44	5.34	6.03	6.55	7.22	8.24	9.39	11.17	12.42	15.62	23.51	49.71
5	4.27	6.10	7.29	8.18	8.86	9.69	10.94	12.44	14.71	16.44	20.55	31.09	61.68
10	5.47	7.50	8.76	9.64	10.44	11.24	12.62	14.42	16.40	18.68	23.32	36.80	66.71
20	6.63	8.25	9.76	10.85	11.72	12.55	13.44	15.15	16.98	18.64	20.15	29.51	71.35
25	5.83	8.58	10.13	11.25	12.15	13.12	14.62	16.50	19.20	21.18	26.96	40.73	76.12
40	5.93	9.26	10.90	11.64	12.33	14.03	15.59	17.55	20.34	23.17	28.60	42.22	79.66
50	6.45	9.57	11.26	12.45	13.44	14.46	16.04	18.06	20.85	23.81	29.35	44.37	81.28
100	7.05	10.55	12.38	13.62	14.69	15.76	17.39	19.50	22.42	25.74	31.62	47.82	86.09
200	7.63	11.50	13.43	14.75	15.91	16.99	18.70	20.91	23.92	27.60	33.89	51.12	90.61
500	8.53	13.53	15.65	16.97	18.21	19.53	21.35	23.65	26.91	30.31	36.97	53.01	103.81
1000	10.72	16.67	18.21	20.81	22.61	23.59	25.57	28.23	31.46	37.24	44.96	68.08	12.96
PMP	21.19	31.60	37.23	41.28	45.47	47.77	52.90	59.99	70.89	79.10	97.92	148.52	254.07

MEAN	3.382	4.813	5.750	6.450	6.999	7.661	8.673	9.834	11.561	13.000	16.252	24.468	50.611
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.700	1.525	1.326	1.059	1.181	1.029	1.017	1.000	1.000	1.000	1.000	.518	.366
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.400

KURTOSIS	8.340	7.219	6.937	6.185	5.344	4.983	4.059	3.665	3.665	4.056	3.469	2.959	3.000
RECORD N	72	72	72	72	72	72	72	72	72	72	72	72	72
RECORD YEAR	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985
RECORD MAXIMUM	7.300	11.070	13.630	14.500	15.720	16.700	18.000	19.870	21.120	24.120	28.400	32.080	45.880
NORMALIZED MAX	3.667	3.903	4.100	3.744	3.744	3.659	3.537	3.494	3.225	3.489	3.037	2.607	2.513
CALC. COEF. VAR	.322	.333	.334	.333	.334	.334	.333	.321	.337	.341	.321	.335	.254
REON. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.339	.335	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.339	.338	.268

MEAN/A	.0068	.0951	.1136	.1274	.1383	.1514	.1714	.1943	.2284	.2569	.3211	.4935	1.0000
RP10/A	.0983	.1423	.1692	.1890	.2043	.2222	.2494	.2826	.3119	.3732	.4645	.7013	1.3529
RP25/A	.1153	.1695	.2002	.2222	.2400	.2593	.2890	.3260	.3794	.4304	.5327	.8048	1.5039
RP50/A	.1274	.1892	.2222	.2460	.2655	.2857	.3169	.3564	.4122	.4704	.5800	.8676	1.6060
RP100/A	.1392	.2084	.2442	.2690	.2902	.3111	.3437	.3853	.4430	.5086	.6248	.9449	1.7009
RP1000/A	.1764	.2699	.3133	.3418	.3664	.3908	.4270	.4747	.5365	.6264	.7622	1.1535	1.9825
RP10000/A	.2119	.3294	.3795	.4112	.4428	.4861	.5052	.5577	.6216	.7359	.8884	1.3453	2.2320
RP/M/A	.0148	.02											

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 2169 20 40N 11W M 41+300 123+133 47  
F30 8025 0 SAWYERS BAR

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.29	4.61	5.74	6.48	7.00	7.55	8.61	9.40	10.96	12.25	14.77	21.54	45.65
5	4.43	6.36	7.84	8.79	9.46	10.13	11.43	12.45	14.43	16.21	19.43	28.40	56.65
10	5.16	7.49	9.21	10.27	11.05	11.76	13.19	14.32	16.48	18.63	22.23	32.52	62.88
20	6.18	8.48	10.45	11.45	12.40	13.40	14.60	15.60	17.29	20.40	24.24	36.20	68.29
50	6.05	8.92	10.90	12.08	13.78	15.29	16.51	18.00	20.48	23.49	37.02	62.91	103.31
40	6.16	9.62	11.73	12.29	13.20	14.68	16.30	17.57	19.95	22.85	27.07	39.40	73.17
50	6.69	9.95	12.11	13.37	14.30	15.12	16.76	18.05	20.46	23.48	37.02	40.65	74.65
100	7.31	10.96	13.29	14.63	15.69	16.46	18.18	19.59	21.99	25.38	29.90	43.81	79.06
200	7.91	11.95	14.5	15.85	16.99	17.77	19.55	20.93	23.45	27.21	31.95	46.84	83.22
1000	9.26	14.20	17.05	18.58	19.92	20.68	22.59	24.05	26.64	31.26	36.47	53.48	92.15
10000	11.12	17.33	20.68	22.35	23.94	24.67	26.72	28.25	30.86	36.73	42.51	62.38	103.75
PMR	21.98	32.84	40.05	44.34	47.40	49.95	55.30	60.04	69.55	78.00	92.58	136.07	233.34

MEAN	3,508	5,003	6,185	6,928	7,477	8,011	9,055	9,843	11,340	12,819	15,365	22,417	46,482
CLOCK HR. COR.	1+140	1+070	1+040	1+020	1+010	1+010	1+000	1+000	1+000	1+000	1+000	1+000	1+000
CALCULATED SKW*	1.196	.231	.304	.679	.741	.679	.768	.870	.547	.869	.905	.745	.301
REGIONAL SKW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KUMTOS15	2,245	2,107	2,278	2,871	3,042	3,121	3,879	4,694	3,678	4,627	3,734	2,977	2,999
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1953	1965	1951	1965	1956	1965	1965	1965	1965	1965	1965	1956	1958
RECORD MAXIMUM	4,597	7,070	9,270	10,070	11,480	13,300	16,100	17,400	19,980	24,900	27,100	38,130	73,420
NORMALIZED MAX	1,174	1,428	1,578	1,872	2,092	2,413	2,715	2,902	3,292	3,717	4,249	6,399	13,869
CALC. COEF. VAR	.263	.292	.306	.311	.308	.314	.313	.315	.314	.314	.316	.337	.253
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.347	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.335	.338	.268

MEAN/A	.0765	.1076	.1331	.1490	.1600	.1723	.1950	.2118	.2440	.2758	.3306	.4823	1.0000
HW10/A	.1110	.1611	.1982	.2210	.2576	.2530	.2648	.3081	.3456	.3767	.4782	.6959	.3559
RP25/A	.1302	.1818	.2344	.2599	.2792	.2956	.3289	.3553	.4053	.4671	.5489	.6886	.1319
RP50/A	.1440	.2141	.2606	.2877	.3089	.3252	.3607	.3884	.4403	.5051	.5971	.8746	.4660
RP100/A	.1572	.2359	.2869	.3147	.3376	.3542	.3911	.4199	.4732	.5461	.6342	.9425	.17.09
RP1000/A	.1993	.3055	.3669	.3948	.4285	.4494	.4860	.5173	.5731	.6726	.7846	1,1506	.9825
RP10000/A	.2393	.3728	.4445	.4809	.5150	.5306	.5749	.6078	.6639	.7901	.9146	1,3420	2,2320
PMF/A	.4728	.7566	.8616	.9539	1+0198	1+0746	1+1896	1+2917	1+4919	1+6782	1+9916	2+9274	.5+0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 1270 05 33N 12W M 40+74R 123+24S 53  
F40 738 0 BIG BAR RANGER STATION

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.95	3.91	4.72	5.28	5.93	6.48	7.48	8.28	9.63	10.80	13.52	20.09	39.03
5	3.97	5.37	6.44	7.16	8.01	8.70	9.93	10.97	12.69	14.30	17.79	26.49	48.43
10	4.62	6.34	7.57	8.37	9.09	10.09	11.46	12.61	14.49	16.43	20.33	30.33	53.76
20	5.23	7.26	8.49	9.49	10.60	11.38	12.85	14.09	16.08	18.36	22.63	33.76	58.38
50	5.42	7.55	8.96	9.94	11.08	11.81	13.24	14.55	16.35	18.49	23.33	34.07	60.76
100	5.52	8.15	9.64	10.01	11.18	12.60	14.15	15.47	17.54	20.26	25.15	36.93	63.82
200	6.00	8.43	9.96	10.90	12.16	12.98	14.36	15.97	17.99	20.71	25.40	37.91	63.82
500	6.55	9.29	10.93	11.92	13.29	14.13	15.79	17.19	19.34	22.39	27.37	40.68	67.59
1000	7.09	10.13	11.87	12.91	14.39	15.25	16.98	18.44	20.62	24.01	29.25	43.68	71.14
10000	8.30	12.03	14.02	15.14	16.87	17.75	19.62	21.18	23.42	27.58	33.38	48.88	78.78
PMR	9.47	14.68	16.98	18.24	20.26	21.18	23.21	24.89	27.13	32.40	38.91	56.17	88.69

MEAN	3.144	4.238	5.083	5.645	6.333	6.878	7.873	8.671	9.970	11.309	14.064	20.906	39.736
CLOCK HR. COR.	1+140	1+070	1+040	1+020	1+010	1+010	1+000	1+000	1+000	1+000	1+000	1+000	1+000
CALCULATED SKW*	1.160	.631	.523	.811	.1+19	.515	.475	.432	.455	.768	.541	.572	1.324
REGIONAL SKW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KUMTOS15	2,461	2,809	3,045	3,200	3+11	3,374	3,313	3,546	3,415	4,688	2,856	2,677	2,383
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1951	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	4,350	7,046	8,780	9,820	10,490	11,620	13,440	15,076	17,720	21,890	23,610	34,120	59,430
NORMALIZED MAX	1,250	1,976	2,470	2,119	2,084	2,702	2,215	2,444	2,480	2,765	2,100	1,986	1,133
CALC. COEF. VAR	.305	.372	.347	.337	.342	.340	.319	.302	.313	.339	.323	.319	.259
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.347	.349	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.347	.349	.335	.338	.268

MEAN/A	.0791	.1066	.1279	.1421	.1594	.1731	.1901	.2182	.2509	.2846	.3529	.5261	1.0000
HW10/A	.1164	.1596	.1905	.2106	.2355	.2540	.2883	.3174	.3644	.4135	.5120	.7632	.3539
RP25/A	.1365	.1901	.2254	.2477	.2766	.2945	.3341	.3661	.4168	.4769	.5871	.8788	.5039
RP50/A	.1509	.2121	.2505	.2743	.3060	.3266	.3664	.4002	.4528	.5213	.6393	.9541	.6060
RP100/A	.1648	.2337	.2750	.2999	.3345	.3557	.3974	.4327	.4867	.5635	.6887	1,0282	1,7009
RP1000/A	.2089	.3027	.3527	.3811	.4245	.4468	.4937	.5331	.5894	.6941	.8401	1,2553	1,9825
RP10000/A	.2509	.3694	.4273	.4584	.5105	.5329	.5861	.6264	.6828	.8156	.9793	1,4640	2,3230
PMF/A	.4597	.7001	.8282	.9092	1+0105	1+0729	1+1312	1+5343	1+7318	2+1321	3+1932	5+0200	9+0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F40 1731 0		STATION NAME CHINA FLAT		FLEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	
		366	400	2h	06N	05E		H	40.865	123.545	53		
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.99	4.13	4.78	5.29	5.49	6.42	7.24	7.91	9.73	10.91	13.61	20.21	42.40
5	4.01	5.67	6.53	7.17	7.99	9.61	9.62	10.84	12.82	14.31	17.91	26.62	52.61
10	4.67	6.70	7.67	8.38	9.32	9.99	11.09	12.05	14.64	16.45	20.49	30.52	58.40
20	5.29	7.67	8.74	9.51	10.56	11.27	12.44	13.47	16.25	19.38	22.79	33.97	63.42
25	5.48	7.97	9.07	9.86	10.94	11.66	12.85	13.90	16.73	19.97	23.50	35.02	64.92
40	5.58	8.61	9.77	10.03	11.13	12.47	13.70	14.79	17.72	20.18	24.93	37.16	67.95
50	5.60	8.90	10.09	10.91	12.11	12.45	14.10	15.28	18.18	20.77	25.59	38.15	66.33
100	5.67	9.17	11.04	11.84	13.04	13.64	15.24	16.84	19.22	21.42	27.56	41.73	71.33
200	5.71	10.63	12.03	12.93	13.93	15.16	16.44	17.62	20.83	24.03	29.46	43.95	77.29
1000	8.39	12.70	14.20	15.10	16.40	17.57	19.00	20.24	23.66	27.61	33.62	50.19	85.58
10000	10.08	15.50	17.21	18.24	20.19	20.96	22.47	23.76	27.41	32.43	39.19	58.54	96.35
PMP	19.91	29.38	33.35	36.17	39.94	42.44	46.50	50.54	61.60	68.89	85.34	127.70	216.71

MEAN	3.179	4.475	5.150	5.652	6.308	6.807	7.623	8.286	10.073	11.321	14.166	21.038	43.169
CLOCK HR, CUR.	1.158	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.715	1.228	.944	.628	.261	.090	.289	.268	.937	.652	.706	.777	.777
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400

KUHTOSIS	13.537	5.767	4.750	4.192	3.404	3.101	2.950	2.886	3.421	3.227	2.895	2.932	3.471
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YR	1915	1915	1915	1915	1915	1915	1915	1927	1927	1927	1927	1938	1927
RECORD MAXIMUM	7.110	8.760	9.550	10.350	10.940	11.110	12.390	13.320	17.530	19.090	24.720	34.380	71.320
NORMALIZED MAX	3.370	2.817	2.510	2.522	2.293	1.969	2.100	1.972	2.220	2.149	2.233	2.021	2.336
CALC. COEF. VAR	.367	.340	.340	.330	.320	.321	.296	.308	.333	.319	.334	.314	.279
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0736	.1037	.1193	.1399	.1461	.1577	.1766	.1919	.2333	.2622	.3281	.4873	1.0000
RP10/A	.1083	.1551	.1777	.1941	.2158	.2315	.2570	.2792	.3399	.3810	.4746	.7069	1.3529
RP25/A	.1270	.1847	.2102	.2283	.2355	.2701	.2978	.3221	.3876	.4394	.5443	.8113	1.5039
RP50/A	.1404	.2462	.2337	.2528	.2897	.2976	.3266	.3521	.4211	.4803	.5926	.8838	1.6060
RP100/A	.1534	.2271	.2565	.2764	.3063	.3240	.3541	.3906	.4526	.5172	.6592	.9524	1.7009
RP1000/A	.1944	.2942	.3200	.3512	.3891	.4101	.4430	.4889	.5511	.6339	.7888	1.1477	1.9255
RP10000/A	.2335	.3596	.3946	.4248	.4777	.4955	.5205	.5511	.6139	.7513	.9078	1.3561	2.2320
RP10/A	.4613	.6805	.7725	.8340	.9262	.9332	.1.1772	.1.1708	.1.2669	.1.5957	.1.9769	2.9581	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB F40 3859 0		STATION NAME HAYFORK RANGER STATION		FLEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE	
		2340	12	31N	124	H	M	40.550	123.167	53			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.92	3.99	4.74	5.16	5.74	6.26	7.22	7.80	9.17	10.44	12.77	18.99	35.89
5	3.93	5.49	6.47	7.00	7.76	8.39	9.60	10.33	12.09	13.82	16.80	25.04	44.54
10	4.58	6.48	7.60	8.18	9.05	9.74	11.07	11.88	13.80	15.68	19.21	28.66	49.44
20	5.18	7.42	8.61	9.28	10.27	10.94	12.41	13.52	15.32	17.75	21.38	31.91	53.68
25	5.17	7.72	8.99	9.62	10.65	11.37	12.83	13.70	15.78	18.32	22.03	32.90	54.96
40	5.46	8.33	9.67	9.79	10.83	13.67	14.57	16.71	19.49	23.37	34.91	57.52	87.52
50	5.49	6.61	9.99	10.65	11.78	12.45	14.07	14.94	17.18	20.02	23.99	35.84	54.69
100	6.48	9.42	10.70	11.67	12.59	13.56	15.24	16.76	19.24	22.89	26.59	42.65	67.55
200	7.00	11.35	11.92	12.62	13.94	14.60	14.60	17.36	19.64	23.21	27.62	41.29	65.42
1000	8.72	15.29	17.07	18.40	18.34	17.13	19.45	19.95	22.31	26.66	31.53	47.15	72.44
10000	9.87	15.00	17.05	17.80	18.64	20.43	22.42	23.44	25.84	31.32	36.75	49.91	81.56
PMP	19.50	28.44	33.04	35.22	38.99	41.38	45.64	49.82	58.07	66.52	80.03	119.95	183.43

MEAN	3.112	4.331	5.103	5.518	6.135	6.437	7.606	8.166	9.497	10.931	13.283	19.761	36.541
CLOCK HR, CUR.	1.140	1.170	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.669	.631	.240	.219	.109	.217	-.051	.002	.322	.481	.1763	.449	.449
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400

KUHTOSIS	2.694	3.173	2.886	2.866	3.263	3.426	2.946	2.825	2.472	2.701	2.762	7.937	2.586
N	25	25	25	25	25	25	25	25	25	24	25	25	25
RECORD YR	1959	1954	1965	1956	1956	1956	1965	1965	1965	1965	1956	1958	1958
RECORD MAXIMUM	4.000	7.251	7.750	8.500	10.140	11.190	12.000	12.33	13.460	17.970	20.660	45.970	54.390
NORMALIZED MAX	1.056	2.997	1.784	1.802	2.188	2.306	2.664	1.661	1.573	2.178	2.085	3.459	2.001
CALC. COEF. VAR	.270	.321	.291	.300	.298	.298	.280	.274	.265	.296	.266	.383	.244
REGN. COEF. VAR	.351	.371	.365	.363	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0552	.1185	.1376	.1510	.1679	.1816	.2082	.2235	.2599	.2992	.3635	.5408	1.0000
RP10/A	.1252	.1774	.2080	.2239	.2480	.2666	.3029	.3250	.3776	.4347	.5258	.7844	1.3529
RP25/A	.1469	.2112	.2460	.2633	.2914	.							

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 350 25 08W 04E M 41.050 123.667 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.43	5.59	6.67	7.69	8.57	9.15	10.47	11.64	13.47	15.03	18.54	27.44	56.60
5	5.43	7.69	9.11	10.43	11.59	12.27	13.94	15.42	17.74	19.90	24.40	36.18	70.24
10	6.33	9.07	10.71	12.19	14.24	15.16	17.82	20.64	22.47	27.11	41.42	77.97	117.97
20	7.17	10.19	12.20	13.83	15.33	16.66	17.99	19.81	21.49	25.29	32.05	51.05	84.67
25	7.42	10.80	12.66	14.34	15.89	16.62	18.59	20.45	23.16	26.55	32.00	47.53	86.67
40	7.55	11.66	13.63	14.58	16.16	17.77	19.82	21.75	24.53	28.05	33.95	50.44	90.71
50	8.21	12.00	14.08	15.87	17.58	18.31	20.39	22.35	25.16	28.82	34.85	51.78	92.56
100	8.97	13.28	15.45	17.36	19.21	19.93	22.11	24.17	27.04	31.16	37.54	55.81	98.03
200	9.71	14.44	16.79	18.80	20.81	21.51	23.77	25.91	28.83	33.41	40.12	59.64	103.18
1000	11.36	17.20	19.82	22.05	24.39	25.84	27.48	29.77	32.75	38.38	45.73	58.13	114.25
10000	13.65	21.49	24.01	26.53	29.31	29.87	32.50	34.76	37.94	45.09	53.38	79.46	128.63
PMP	26.96	39.79	45.53	52.92	59.04	60.49	67.26	74.34	85.26	95.76	116.24	173.33	289.31

MEAN	4.304	6.616	7.186	8.221	9.155	9.701	11.027	12.187	13.942	15.738	19.293	28.555	57.631
CLOCK HR. COR.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.315	2.172	1.711	1.646	1.595	1.595	1.396	1.401	1.168	1.847	1.450	.933	-0.117
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.800	.600	.800	.800	.700	.700	.400

KURTOSIS	10.367	9.262	6.681	6.568	6.907	6.953	6.894	6.753	5.963	8.696	7.569	4.335	2.587
RECORD YEAR	1965	1955	1965	1955	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	8.045	14.230	16.300	19.000	20.800	20.800	22.400	22.400	27.000	32.900	36.100	51.800	76.000
NORMALIZED MAX	2.703	3.009	2.862	2.942	3.044	3.044	3.076	3.076	2.915	3.295	3.143	2.583	1.700
CALC. COEF. VAR	.357	.448	.440	.408	.364	.353	.341	.333	.339	.332	.281	.305	.192
REGN. COEF. VAR	.351	.371	.365	.360	.355	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.355	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0747	.1552	.1247	.1427	.1588	.1483	.1913	.2115	.2419	.2731	.3248	.4055	1.0000
RP10/A	.1098	.1574	.1857	.2115	.2347	.2471	.2794	.3070	.3515	.3968	.4943	.7187	.1529
RP25/A	.1288	.1874	.2197	.2487	.2757	.2883	.3226	.3548	.4019	.4576	.5553	.8248	1.5039
RP50/A	.1424	.2092	.2442	.2754	.3050	.3177	.3538	.3878	.4365	.5002	.6047	.8985	1.6060
RP100/A	.1556	.2304	.2680	.3012	.3334	.3459	.3837	.4193	.4692	.5407	.6515	.9863	1.7009
RP1000/A	.1792	.2985	.3438	.3827	.4231	.4345	.4768	.5186	.5682	.6660	.7546	.1.1821	.1.9825
RP10000/A	.2368	.3442	.4166	.4603	.5048	.5153	.5604	.6070	.6583	.7823	.9262	1.3787	2.2320
PMP/A	.4679	.6994	.8074	.9130	1.0071	1.0495	1.1571	1.2899	1.4793	1.6617	2.0170	3.0075	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 623 14 06N 05E M 40.883 123.583 53

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.60	4.60	5.54	6.34	6.91	7.46	8.63	9.60	11.36	12.66	15.85	23.86	48.43
5	4.84	6.32	7.56	8.59	9.34	10.01	11.46	12.72	14.26	16.75	20.86	31.46	60.10
10	5.65	7.44	8.89	10.04	10.94	11.62	13.24	14.62	17.07	19.25	23.36	36.04	66.71
20	6.33	8.85	10.14	11.39	12.39	13.04	14.51	16.04	17.66	21.11	25.92	39.09	67.44
25	6.62	8.89	10.12	11.81	12.81	13.52	15.32	16.87	19.53	22.20	27.36	43.33	74.16
40	6.74	9.59	11.32	12.02	13.03	14.50	16.33	17.95	20.69	23.61	29.02	43.83	77.62
50	7.32	9.92	11.69	13.08	14.17	14.94	16.80	18.44	21.22	24.27	29.75	45.03	79.19
100	8.00	10.93	12.83	14.30	15.49	16.27	18.22	19.94	22.81	26.23	32.09	48.22	83.87
200	8.66	11.91	13.94	15.49	16.76	17.55	19.59	21.36	24.32	28.13	34.30	51.87	88.28
1000	10.14	14.17	16.46	18.17	20.43	22.64	24.57	27.82	32.31	39.14	52.29	79.76	110.06
10000	12.48	17.47	19.36	21.86	24.63	24.84	26.85	32.00	34.53	45.34	59.29	83.87	125.00
PMP	24.06	32.73	38.64	43.36	46.80	49.35	55.42	61.94	71.90	80.62	93.36	150.71	247.93

MEAN	3.840	4.966	5.468	6.775	7.381	7.916	9.085	10.056	11.759	13.249	16.491	24.828	49.310
CLOCK HR. COR.	1.140	1.770	1.040	1.029	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.399	2.400	2.148	1.830	1.577	1.593	1.288	1.367	1.226	1.380	1.037	.895	.503
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400

KURTOSIS	4.697	10.877	9.495	8.050	6.735	6.000	5.762	5.984	6.151	6.884	4.430	3.434	3.026
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1956
RECORD MAXIMUM	6.495	11.495	13.545	15.270	15.747	16.426	17.045	19.245	23.100	26.000	29.200	42.800	72.000
NORMALIZED MAX	2.894	3.285	3.218	3.270	3.134	3.084	3.049	3.091	3.102	3.207	2.436	2.225	2.107
CALC. COEF. VAR	.374	.413	.393	.383	.365	.342	.320	.308	.311	.316	.318	.326	.224
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0779	.1011	.1210	.1374	.1497	.1605	.1842	.2039	.2385	.2687	.3344	.5035	1.0000
RP10/A	.1145	.1513	.1803	.2037	.2212	.2356	.2681	.2966	.3465	.3904	.4838	.7304	.1359
RP25/A	.1343	.1802	.2133	.2396	.2598	.2705	.3107	.3421	.3961	.4502	.5548	.8382	.15039
RP50/A	.1485	.2011	.2371	.2652	.2874	.3030	.3407	.3740	.4303	.4921	.6041	.9131	.16060
RP100/A	.1622	.2216	.2602	.2901	.3142	.3299	.3695	.4044	.4625	.5320	.6508	.9841	.17009
PP1000/A	.2056	.2870	.3338	.3685	.3987	.4144	.4591	.4982	.5601	.6553	.7938	1.2013	1.9825
PP10000/A	.2459	.3502	.4043	.4433	.4793	.4943	.5431	.5854	.6489	.7925	.9453	1.4011	2.2320
RPf/A	.4879	.6638	.7837	.8793	.9491	1.0000	1.1239	1.2444	1.4582	1.6350	2.0150	3.0564	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 8SN ORDER SUB F40 949C 0	STATION NAME WEAVERVILLE	ELEV	SEC	TMP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE		
		2050	12	33N	10W	M	40°7'33"	122°9'33"		53			
MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.84	3.77	4.43	5.03	5.54	6.02	6.93	7.69	8.93	9.99	12.00	17.89	35.84
5	3.82	5.18	6.04	6.92	7.43	8.17	9.21	10.19	11.76	13.23	15.76	23.59	44.48
10	4.45	6.12	7.10	7.97	8.74	9.37	10.62	11.72	13.43	15.20	16.05	27.01	49.37
20	5.94	7.09	8.09	9.14	9.59	10.57	11.91	13.37	14.93	15.98	20.95	31.00	53.61
25	5.22	6.73	7.81	8.81	9.53	10.57	11.91	13.37	14.93	15.98	20.95	31.00	54.62
40	5.31	7.86	9.04	10.53	10.46	11.70	13.19	14.26	14.64	21.96	27.96	57.44	
50	5.77	8.13	9.33	10.37	11.33	12.05	13.50	14.77	16.68	19.16	22.54	33.77	58.61
100	6.30	8.95	10.24	11.34	12.41	13.12	14.64	15.97	17.93	20.71	24.29	36.39	62.07
200	6.82	9.76	11.13	12.29	13.44	14.18	15.74	17.13	19.11	22.21	25.96	38.91	65.34
1000	7.94	11.60	13.14	14.41	15.75	16.48	18.18	19.68	21.71	25.51	29.62	44.43	72.35
10000	9.68	14.18	15.92	17.34	18.93	19.66	21.51	23.12	25.15	29.97	34.53	51.82	81.45
PMP	14.96	26.62	31.86	34.99	37.49	39.82	44.51	49.44	56.52	63.66	75.20	113.04	183.20

MEAN	4.026	4.186	4.766	5.374	5.914	6.386	7.298	8.056	9.242	10.461	12.481	18.622	36.494
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.044	.552	.698	.511	.459	.556	.293	.270	.208	.381	.459	.492	.586
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USLU	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KUNTOSIS	3.641	2.500	2.828	2.580	3.036	3.408	2.429	2.305	2.500	3.238	2.653	2.693	2.827
N	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
RECORD YEAR	1969	1954	1985	1965	1965	1956	1956	1965	1965	1965	1956	1956	1958
RECORD MAXIMUM	5.170	6.499	6.320	4.050	9.935	11.120	12.010	13.26	16.000	19.670	21.970	33.660	61.430
NORMALIZED MAX	2.054	1.724	2.407	2.263	2.374	2.136	2.049	2.246	2.010	2.078	2.148	2.299	2.474
CALC. COEF. VAH	.345	.341	.310	.312	.297	.292	.296	.315	.345	.332	.340	.344	.294
REGN. COEF. VAH	.351	.371	.365	.368	.356	.349	.340	.344	.341	.339	.335	.338	.268
USED COEF. VAH	.351	.371	.365	.360	.356	.349	.340	.344	.341	.339	.335	.338	.268

MEAN/A	.0826	.1120	.1306	.1472	.1620	.2000	.2267	.2533	.2866	.3426	.5103	1.0000	
RP10/A	.1219	.116	.1945	.182	.2394	.259	.241	.261	.269	.365	.574	.1.529	
RP25/A	.1436	.199	.2121	.201	.2597	.2597	.2172	.2407	.4483	.5673	.8495	.1.539	
RP50/A	.152	.2227	.2558	.2693	.3112	.3302	.3698	.4045	.5250	.6177	.9254	.1.6060	
RP100/A	.1728	.2453	.2807	.3109	.4010	.3596	.4100	.4377	.4912	.5676	.6655	.9973	.1.7009
RP1000/A	.2188	.3178	.3601	.3950	.4317	.4517	.4983	.5393	.5949	.6591	.8118	.2.175	.1.9825
RP10000/A	.2629	.3877	.4382	.4751	.5188	.5384	.5895	.6336	.6891	.8212	.9462	.1.4199	.2.2320
RP100000/A	.5195	.7351	.8455	.9424	.1.0274	.1.0910	.1.2198	.1.3465	.1.5487	.1.7443	.2.0676	.3.0974	.5.0200

STATION NO. 8SN ORDER SUB F50 5244 0	STATION NAME MAD RIVER RANGER STATION	ELEV	SEC	TMP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE
		2775	17	01N	06E	M	40°45'	123°53'		53	

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.12	5.70	7.04	8.04	8.83	9.73	11.03	12.28	14.53	16.29	20.21	28.99	59.77
5	5.54	7.83	9.60	10.90	11.94	13.05	14.65	16.26	19.15	21.57	26.59	38.23	74.17
10	6.46	9.25	11.29	12.74	13.94	15.15	16.90	18.69	21.86	24.78	30.41	43.77	82.33
20	7.31	10.59	12.86	14.49	15.80	17.09	18.95	20.89	24.26	27.69	33.83	48.72	89.40
40	7.11	11.84	14.37	15.25	16.37	17.65	19.58	21.56	24.95	28.58	33.88	50.23	91.52
50	8.38	12.99	14.34	15.47	16.82	17.92	19.59	20.88	22.47	24.47	30.40	37.10	99.79
100	9.15	13.54	14.29	14.14	14.80	21.22	23.29	25.49	29.18	33.77	40.91	58.97	103.13
200	9.91	14.76	17.70	19.66	21.44	22.90	25.04	27.33	31.11	36.21	43.72	63.04	108.95
1000	11.60	17.54	20.90	23.05	25.13	26.65	28.94	31.40	35.34	41.62	49.90	71.99	120.65
10000	13.93	21.40	25.32	27.73	30.21	31.79	34.24	36.99	40.94	48.87	58.17	83.99	135.83
PMP	27.53	40.57	49.07	55.00	59.82	64.38	70.84	78.41	92.00	103.79	126.68	183.15	305.49

MEAN	4.394	6.179	7.578	8.594	9.435	10.325	11.614	12.854	15.044	17.057	21.025	30.173	60.855
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.118	2.471	2.331	1.936	2.010	1.812	1.783	1.741	1.621	1.725	1.381	1.023	.743
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USLU	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KUNTOSIS	5.906	11.465	10.389	8.325	8.744	7.745	7.517	6.930	6.707	7.641	5.022	3.541	3.713
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	7.870	14.770	18.370	20.430	22.430	23.590	25.840	27.76	32.940	37.690	40.790	54.280	94.820
NORMALIZED MAX	2.358	3.380	3.451	3.353	3.442	3.298	3.300	3.212	3.250	3.369	2.759	2.309	2.391
CALC. COEF. VAR	.335	.411	.413	.411	.400	.390	.371	.361	.366	.355	.341	.341	.233
REGN. COEF. VAR	.351	.371	.365	.360	.358	.349	.340	.340	.340	.341	.339	.335	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.340	.341	.339	.335	.268

MEAN/A	.0722	.1015	.1245	.1412	.1550	.1697	.1908	.2112	.2472	.2803	.3455	.4958	1.0000
RP10/A	.1062	.1520	.1855	.2094	.2291	.2490	.2777	.3072	.3592	.4473	.4958	.7192	.1.3529
RP25/A	.1510	.2194	.2462	.2620	.2920	.3210	.3374	.3445	.3751	.4521	.4958	.6892	.1.4060
RP50/A	.1706	.2475	.2677	.2981	.3254	.3486	.3827	.4188	.4795	.5550	.6723	.7690	.1.7009
RP100/A	.1564	.2285	.2677	.2981	.3254	.3486	.3827	.4188	.4795	.5550	.6723	.7690	.1.9825

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB F50 4498 0 OWHICK PHAIRE CREEK PARK 161 02 1IN 01E N 41.637 124.017 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION L-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	400	3650
2	4.23	5.90	7.03	7.74	8.42	9.24	10.59	11.88	14.30	15.90	19.93	30.74	69.88
5	5.49	6.11	7.59	10.50	11.39	12.39	14.04	15.74	18.83	21.04	26.22	40.54	86.72
10	6.64	7.58	11.27	12.27	13.30	14.38	16.22	18.09	21.50	24.18	29.99	46.41	96.26
20	7.51	10.98	12.84	13.92	15.07	16.21	18.19	20.22	23.80	27.01	33.37	51.66	104.53
25	7.79	11.41	13.33	14.43	15.62	16.78	18.00	20.87	24.59	27.88	34.39	53.26	107.01
40	7.92	12.32	14.34	16.65	15.89	17.95	20.04	22.20	26.03	29.66	36.49	56.52	117.00
50	8.45	12.74	14.26	15.98	17.42	18.49	20.49	22.82	26.00	30.44	37.45	58.02	114.27
100	9.45	13.03	16.26	17.87	18.69	20.13	22.36	25.47	28.70	32.45	39.35	62.53	110.03
200	10.18	15.31	17.67	19.93	21.95	21.72	24.04	26.45	30.60	35.32	43.12	62.85	127.39
1000	11.92	18.18	20.86	22.20	24.97	25.29	27.78	30.39	34.76	40.59	49.21	76.34	141.06
10000	14.31	22.11	25.27	26.70	26.81	30.16	32.97	35.71	40.26	47.47	57.37	89.03	158.81
PMP	28.07	42.04	46.98	52.90	57.06	61.08	68.01	75.89	90.48	101.25	126.92	194.21	357.19

MEAN	4.513	6.404	7.564	8.275	8.994	9.796	11.149	12.441	14.797	16.640	20.734	31.995	71.153
CLOCK HR. COEF.	1.140	1.170	1.040	1.120	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	3.522	2.603	2.293	2.011	1.697	1.612	1.036	.779	.367	.194	-0.029	-0.122	.010
REGIONAL SKEW	1.100	1.300	1.290	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	19.677	13.803	11.732	10.573	8.903	9.281	6.344	4.501	2.948	2.612	2.725	2.610	2.739
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1951	1951	1951	1951	1951	1951	1951	1951	1966	1966	1974	1956	1974
RECORD MAXIMUM	11.500	16.190	17.790	19.270	21.050	21.260	21.870	23.710	25.060	30.400	46.910	96.010	
NORMALIZED MAX	4.035	4.279	4.005	4.017	3.838	3.896	3.416	2.864	2.151	2.012	1.944	1.840	2.059
CALC. COEF. VAR	.384	.379	.338	.331	.316	.295	.265	.270	.280	.252	.249	.253	.169
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0034	.0000	.1063	.1163	.1265	.1377	.1567	.1749	.2080	.2339	.2914	.4497	1.0000
RP10/A	.0933	.1347	.1583	.1724	.1869	.2021	.2280	.2543	.3122	.3398	.4215	.5523	1.3529
RP25/A	.1094	.1604	.1873	.2122	.2195	.2358	.2642	.2933	.3455	.3919	.4834	.7486	1.5039
RP50/A	.1210	.1790	.2082	.2245	.2429	.2598	.2898	.3207	.3753	.4283	.5264	.8155	1.6060
RP100/A	.1321	.1927	.2282	.2575	.2829	.3129	.3427	.3857	.4303	.4911	.5708	.7088	1.7609
RP1000/A	.1675	.2592	.3022	.3123	.3369	.3556	.3872	.4165	.5763	.6917	.7749	.9456	1.9456
RP10000/A	.2011	.3117	.3551	.3752	.4050	.4239	.4610	.5019	.6700	.8062	.10212	.22320	
RPMP/A	.5974	.5908	.6884	.7443	.8019	.8584	.9588	.1e+668	.1e+2711	.1e+230	.1e+7557	.2e+7295	4.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB F50 2084 0 COVELLO EEL RIV R 5 1514 28 23N 11W N 39.833 123.0a3 23

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.28	4.71	5.50	6.03	6.66	7.03	8.10	8.95	10.53	11.86	14.49	21.40	41.40
5	5.42	6.47	7.50	8.18	8.62	9.10	10.77	11.85	13.80	14.90	19.06	26.21	52.37
10	5.16	7.66	8.82	9.56	10.42	10.95	12.42	13.62	15.86	18.04	21.80	32.30	57.02
20	5.84	8.75	10.05	11.85	11.80	12.35	13.93	15.22	17.59	20.15	24.25	35.98	61.92
25	6.05	9.10	10.43	11.25	12.24	12.78	14.39	15.71	18.11	20.40	25.00	37.07	63.39
40	6.15	9.82	11.23	11.44	12.45	13.67	15.34	16.71	19.18	22.12	26.52	39.34	66.35
50	6.69	10.18	11.60	12.45	13.54	14.08	15.78	17.18	19.68	22.74	27.22	40.38	67.70
100	7.30	11.15	12.43	13.62	14.80	15.33	17.12	18.57	21.15	24.98	29.33	43.52	71.70
200	7.99	12.40	13.89	15.15	16.55	17.91	19.61	21.22	24.07	28.15	34.95	51.56	75.46
1000	9.26	15.49	16.33	17.30	18.76	19.62	20.21	22.88	25.61	30.27	35.77	53.54	83.56
10000	11.12	17.68	19.78	20.81	22.57	22.97	25.16	26.88	29.67	35.56	41.70	61.90	94.08
PMP	21.96	33.52	38.31	41.28	44.70	46.52	52.06	57.13	66.68	75.54	90.80	135.18	211.60

MEAN	3.505	5.106	5.922	6.451	7.051	7.461	8.534	9.365	10.904	12.413	15.071	22.268	42.151
CLOCK HR. COEF.	1.120	1.171	1.172	1.029	1.037	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.957	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	5.141	6.130	9.785	8.856	9.508	8.646	7.361	5.797	5.412	6.535	4.270	2.916	2.376
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1955	1955	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1956
RECORD MAXIMUM	6.020	11.640	15.640	16.330	17.570	17.770	19.200	20.360	23.290	26.820	28.030	39.230	57.930
NORMALIZED MAX	2.226	2.759	3.401	3.401	3.526	3.430	3.318	3.050	3.019	3.212	2.720	2.337	1.630
CALC. COEF. VAR	.322	.421	.483	.450	.423	.403	.380	.385	.376	.361	.316	.328	.229
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0832	.1211	.1405	.1530	.1673	.1770	.2025	.2222	.2587	.2945	.3576	.5283	1.0000
RP10/A	.1223	.1813	.2092	.2269	.2471	.2598	.2946	.3231	.3759	.4279	.5172	.7663	1.3529
RP25/A	.1435	.2159	.2475	.2668	.2903	.3032	.3414	.3728	.4297	.4935	.5931	.8794	1.5039
RP50/A	.1586	.2410	.2752	.2954	.3212	.3341	.3744	.4075	.4668	.5394	.6458	.9580	1.6060
RP100/A	.1733	.2616	.3032	.3231	.3637	.3831	.4060	.4501	.5031	.5831	.6501	.7025	1.0205
RP1000/A	.2048	.3393	.3874	.4174	.4546	.4856	.5248	.5742	.6182	.6847	.7481	.8190	1.4959
RP10000/A	.2537	.4196	.4693	.4918	.5366	.5456	.5968	.6376	.7039	.8437	.8993	.1e+007	2.0230
RPMP/A	.5210	.7953	.7996	.9794	1.0605	1.1037	1.2251	1.3553	1.5819	1.7920	2.1543	3.2097	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 1270 21 23N 16W M 39.833 123.633 CODE  
F60 2918 0 CUMMINGS 23

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.37	7.31	8.70	9.74	10.75	11.55	12.95	14.33	17.06	18.48	23.02	34.52	70.99
5	7.23	10.04	11.87	13.28	14.43	15.49	17.20	19.48	22.47	24.46	30.26	45.51	84.09
10	8.43	11.87	13.94	15.52	16.96	17.98	19.84	21.82	25.65	26.10	34.64	52.11	97.79
20	9.54	13.59	15.89	17.61	19.22	20.28	22.25	24.38	28.47	31.40	38.53	58.00	106.19
25	9.89	14.13	16.50	17.93	20.99	22.99	25.16	29.33	32.41	39.72	54.80	104.70	-
40	10.05	15.24	17.45	19.57	21.42	22.48	25.01	28.51	31.34	34.44	42.44	63.44	113.37
50	10.32	16.77	19.34	20.61	22.05	23.51	25.21	27.51	31.86	35.43	43.25	65.14	111.08
100	11.94	17.37	20.13	22.10	24.10	25.18	27.34	29.74	34.24	38.30	46.60	70.20	122.94
200	12.92	18.94	21.87	23.95	25.18	27.17	29.40	31.89	36.51	41.06	49.80	75.05	129.40
1000	15.13	22.50	25.82	28.09	30.58	31.63	33.97	36.65	41.67	47.17	56.84	95.71	143.29
10000	18.17	27.45	31.28	33.78	36.76	37.73	40.19	43.06	48.04	55.41	66.25	99.96	161.32
PMP	36.99	52.04	66.63	67.01	72.79	76.46	83.16	91.50	107.96	117.70	144.27	218.05	362.94

MEAN	5.731	7.927	9.363	10.470	11.482	12.253	13.633	15.000	17.455	17.342	23.946	35.922	72.727
CLOCK HR. CUM.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.295	.812	.582	.396	.347	.300	.487	.221	.503	.147	.507	.409	1.038
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.600	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.600	.600	.800	.700	.700	.400

KURTOSIS	5.563	3.467	2.751	2.191	2.214	2.269	2.678	2.493	2.210	2.088	2.744	2.581	3.601
N	26	24	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1953	1938	1938	1933	1953	1930	1930	1930	1930	1938	1958	1953	1938
RECORD MAXIMUM	10.09	13.550	15.350	15.760	17.630	14.900	21.720	22.780	26.930	28.720	33.840	56.740	117.920
NORMALIZED MAX	2.243	2.059	1.896	1.601	1.822	1.821	2.064	1.827	1.794	1.772	2.253	1.948	2.214
CALC. COEF. VAR	.339	.344	.337	.316	.298	.298	.287	.284	.293	.274	.276	.287	.285
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.338	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.338	.338	.268

MEAN/A	.0793	*.197	.1295	*.1449	*.1589	*.1695	*.1886	*.2075	*.2443	*.2676	*.3313	*.4970	1.0000
RPL10/A	.1168	.1642	.1929	.2148	.2344	.2488	.2745	.3186	.3549	.4446	.5242	.7242	.9000
RPL25/A	.1368	.1955	.2282	.2526	.2737	.2904	.3117	.3488	.4058	.4494	.5496	.6733	.8539
RPL50/A	.1522	.2047	.2477	.3050	.3426	.3768	.4088	.4390	.4901	.5549	.6133	.7400	.8460
RPL100/A	.1655	.2463	.2795	.3058	.3334	.3443	.3783	.4115	.4737	.5299	.6447	.9713	1.7009
RPL1000/A	.2093	.3113	.3572	.3896	.4211	.4376	.4700	.5071	.5737	.6526	.7864	.1.1958	.1.9825
RPL10000/A	.2514	.3798	.4427	.4674	.5046	.5219	.5560	.5957	.6646	.7667	.9166	.1.3829	.2.2320
PMP/A	.4967	.7200	.9348	.9271	1.0071	1.0570	1.1506	1.2659	1.4936	1.6283	1.9961	3.0167	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 43 22 05N 01W M 40.810 124.167 CODE  
F60 2910 0 EUREKA WA 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.45	4.09	4.48	*.84	5.21	5.90	6.66	7.96	8.93	11.32	17.25	38.89	
5	4.74	5.58	6.08	6.55	6.99	7.84	H.92	10.49	11.82	14.89	22.75	48.26	
10	4.25	5.60	6.58	7.10	7.65	8.12	9.05	10.14	11.37	13.58	17.03	26.04	53.57
20	4.81	6.41	7.48	H.66	8.67	9.15	10.15	11.33	12.49	15.18	18.95	28.99	58.17
25	4.98	6.67	7.76	R.35	8.98	9.47	10.48	11.77	13.68	15.66	19.53	29.99	59.55
40	5.07	7.20	8.35	M.56	9.14	10.13	11.18	12.49	14.49	17.50	20.42	32.56	62.13
50	5.51	7.44	8.69	*.94	9.94	10.86	12.06	13.26	14.47	17.12	20.27	32.56	61.59
60	6.02	8.20	9.47	11.11	11.36	12.47	13.83	15.95	18.91	21.91	25.09	37.35	67.35
100	5.51	8.94	10.29	11.68	11.76	12.26	13.41	14.83	17.04	19.84	24.49	37.51	70.89
1000	7.63	12.62	12.15	12.85	13.79	14.27	15.49	17.04	19.35	22.80	27.95	28.83	78.50
10000	9.18	12.96	14.71	15.46	16.57	17.02	18.33	20.22	22.68	26.78	32.56	49.95	88.38
PMP	18.17	24.56	28.52	30.68	32.81	34.94	37.92	42.54	50.39	56.88	70.94	108.97	198.77

MEAN	2.888	3.742	4.405	4.791	5.176	5.529	6.217	6.973	8.238	9.347	11.774	17.952	39.595
CLOCK HR. CUM.	1.140	1.707	1.049	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.115	.985	1.901	1.067	*.911	.706	.722	.867	.822	.566	.827	.908	.486
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.600	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.600	.600	.800	.700	.700	.400

KURTOSIS	3.760	3.055	4.044	4.212	3.709	3.113	3.536	3.465	4.213	3.807	5.154	4.812	3.980
N	98	68	88	84	88	88	88	88	88	88	88	88	88
RECORD YEAR	1951	1890	1951	1890	1951	1951	1890	1903	1890	1890	1890	1890	1890
NORMALIZED MAX	5.040	7.110	8.520	9.650	10.120	10.330	12.440	13.990	17.240	19.040	26.320	39.040	74.100
CALC. COEF. VAR	2.134	2.773	2.985	3.118	2.960	3.069	3.132	3.164	3.374	3.443	4.009	3.717	3.518
REGN. COEF. VAR	.349	.325	.313	.325	.323	.325	.320	.318	.324	.301	.308	.316	.248
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.349	.340	.341	.339	.335	.338	.268

MEAN/A	.0730	*.0945	.1112	.1210	.1307	.1396	.1570	.1761	.2081	.2361	.2974	.4534	1.0000
RPL10/A	.1073	.1414	.1657	.1794	.1931	.2050	.2285	.2561	.3023	.3430	.4301	.6577	1.3529
RPL25/A	.1258	.1694	.1960	.2179	.2346	.2628	.2932	.3248	.3956	.4346	.5366	.7157	1.5797
RPL50/A	.1391	.1880	.2179	.2346	.2520	.2749	.3024	.3349	.4020	.4405	.5271	.6222	1.3060
RPL100/A	.1926	.2692	.3068	.3246	.3482	.3605	.3913	.4302	.4875	.5757	.7058	1.0817	1.9285
RPL1000/A	.2313	.3273	.3716	.3904	.4185	.4299	.4629	.5095	.5861	.6763	.8227	1.2616	2.2320
RPL10000/A	.4570	*.6204	.7203	.7744	.8287	.8706	.9578	1.0742	1.2723	1.4365	1.7916	2.7521	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N = 15 SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=URATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 224 340 24 045 07E H 40°01'N 123°800' 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION I=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.13	6.05	7.44	8.45	9.31	10.18	11.53	12.62	14.87	15.39	19.96	29.84	57.93
5	5.49	8.31	10.73	11.65	12.47	13.45	15.29	17.72	21.99	24.25	30.34	57.89	97.89
10	6.79	9.82	11.92	13.39	14.68	15.94	17.67	19.22	22.37	24.92	30.03	45.04	79.80
20	7.69	11.24	13.54	15.19	16.63	17.86	19.81	21.47	24.83	27.85	33.41	50.14	86.65
25	7.96	11.49	14.11	15.75	17.22	18.49	20.47	22.17	25.57	28.74	34.44	51.89	88.71
40	8.10	12.61	15.18	16.02	17.54	19.77	21.83	23.56	27.08	30.57	36.54	54.85	92.84
50	8.81	13.04	15.68	17.44	19.08	20.37	22.45	24.23	27.78	31.42	37.50	56.31	94.73
100	9.47	14.37	17.21	19.07	20.85	22.18	24.35	26.26	29.86	33.96	40.40	60.89	100.33
200	10.41	16.47	17.11	21.47	22.85	23.93	26.11	28.16	31.20	35.18	41.18	67.46	117.60
400	12.19	18.61	22.04	22.23	26.76	27.48	31.25	32.20	36.16	41.83	49.26	74.08	116.93
1000	14.64	22.71	26.75	26.14	31.81	33.23	35.79	37.92	41.89	49.14	57.45	86.40	131.65
FMP	28.72	43.05	51.84	57.81	62.98	67.29	74.06	80.59	94.13	104.38	125.10	186.48	296.09

MEAN 4.617 6.558 8.607 9.033 9.433 10.793 12.11 13.212 15.94 17.153 20.763 31.458 58.983  
CLOCK MR. COEF. 1.140 1.077 1.040 1.020 1.000 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKW 1.376 2.045 2.023 1.761 1.834 1.614 1.410 1.267 1.267 1.267 1.345 1.861 3.455  
REGIONAL SKW 1.100 1.300 1.200 1.100 1.000 1.000 .800 .800 .800 .800 .700 .700 .400  
SKW USED 1.100 1.300 1.200 1.100 1.000 1.000 .800 .800 .800 .800 .700 .700 .400

KURTOSIS 5.928 9.562 9.212 8.001 8.053 7.084 6.009 6.242 5.149 7.073 4.000 2.135 3.591  
PR 28 28 28 28 28 28 28 28 28 28 28 28 28  
RECORD YEAR 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965  
RECORD MAXIMUM 8.299 15.280 18.530 20.530 21.530 22.350 23.750 25.234 29.120 35.490 36.460 47.610 92.300  
NORMALIZED MAX 2.416 3.334 3.480 3.450 3.507 3.337 3.227 3.284 3.101 3.430 2.733 1.937 2.600  
CALC. COEF. VAR .331 .399 .378 .369 .333 .321 .296 .279 .288 .312 .276 .217 .217  
REGN. COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .341 .339 .335 .338 .268  
USED COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .341 .339 .335 .338 .268

MEAN/A .0783 .1112 .1357 .1531 .1684 .1830 .2054 .2244 .2610 .2908 .3520 .5264 1.0000  
RP110/A .1151 .1666 .2022 .2771 .2488 .2686 .2995 .3258 .3792 .4225 .5029 .7636 1.3529  
RP25/A .1357 .1961 .2392 .2570 .2923 .3134 .3471 .3750 .4335 .4873 .5859 .8764 1.5039  
RP50/A .1493 .2212 .2659 .2556 .3234 .3453 .3607 .4108 .4710 .5326 .6358 .9547 1.6060  
RP100/A .1631 .2436 .2918 .3233 .3535 .3760 .4126 .4442 .5062 .5758 .6585 1.0288 1.7009  
RP1000/A .2067 .3156 .3743 .4108 .4487 .4723 .5129 .5473 .6130 .7093 .8355 1.2550 1.9825  
RP10000/A .2462 .3856 .4535 .4941 .5393 .5634 .6064 .643 .7102 .8332 .9739 1.4648 2.2320  
RP/H/A .4904 .7299 .8790 .9801 1.0678 1.1409 1.2556 .3664 1.5959 1.7696 2.1269 3.1954 5.0200

## PRECIPITATION DEPTH=URATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 3170 21 055 07E H 40°01'N 123°400' 53

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.22	5.96	6.99	7.91	8.76	9.27	10.58	11.64	13.78	15.57	19.07	28.23	56.63
5	5.68	8.19	9.53	10.73	11.84	12.44	14.05	15.42	18.47	20.61	25.69	37.22	70.27
10	6.62	11.20	12.68	13.53	14.68	15.32	17.04	18.38	20.73	22.99	26.59	42.40	76.00
20	7.50	11.08	12.67	13.23	15.67	16.98	18.18	19.81	23.01	26.47	31.92	47.43	86.71
25	7.77	11.52	13.25	14.75	16.24	16.85	18.79	20.45	23.70	27.32	32.90	48.90	86.71
40	7.90	12.43	14.26	15.01	16.52	18.02	20.43	21.75	25.10	29.06	34.91	51.89	90.76
50	8.59	12.86	14.73	16.33	17.97	18.56	20.60	22.35	25.74	29.86	35.83	53.27	92.60
100	9.39	14.17	16.17	17.83	19.64	20.21	22.34	24.17	27.67	32.28	38.60	57.41	98.07
200	10.15	15.45	17.57	19.35	21.27	21.81	24.02	25.91	28.50	34.61	41.51	61.00	103.23
400	11.89	16.35	20.44	22.70	24.97	25.30	27.76	29.78	33.51	39.76	47.08	70.09	131.31
1000	14.28	22.39	25.13	27.30	29.96	30.28	32.49	34.98	38.81	46.71	56.76	81.74	126.69
FMP	28.22	42.44	48.71	54.15	59.33	61.33	67.96	74.35	87.23	99.20	119.51	178.31	289.44

MEAN 4.505 6.464 7.522 8.461 9.358 9.836 11.141 12.188 14.265 16.303 19.836 29.376 57.658  
CLOCK MR. COEF. 1.140 1.077 1.040 1.020 1.000 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKW 1.765 2.050 1.943 1.674 1.687 1.570 1.650 1.584 1.788 1.822 1.922 2.022 2.122  
REGIONAL SKW 1.100 1.300 1.200 1.100 1.000 1.000 .800 .800 .800 .800 .700 .700 .400  
SKW USED 1.100 1.300 1.200 1.100 1.000 1.000 .800 .800 .800 .800 .700 .700 .400

KURTOSIS 7.705 9.300 8.859 7.405 7.413 6.735 6.568 5.907 4.066 5.972 3.322 2.703 3.096  
PR 20 20 20 20 20 20 20 20 20 20 20 20 20  
RECORD YEAR 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965  
RECORD MAXIMUM 8.000 15.260 16.920 20.580 20.520 22.820 23.740 25.730 32.310 33.940 46.730 88.700  
NORMALIZED MAX 2.479 3.011 3.107 3.050 3.087 2.972 3.034 2.918 2.548 2.919 2.214 1.908 2.028  
CALC. COEF. VAR .385 .452 .402 .403 .386 .381 .346 .325 .315 .336 .321 .310 .246  
REGN. COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .341 .339 .335 .338 .268  
USED COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .341 .339 .335 .338 .268

MEAN/A .0781 .1121 .1305 .1467 .1623 .1706 .1932 .2114 .2474 .2827 .3440 .5095 1.0000  
RP10/A .1149 .1678 .1943 .2176 .2398 .2504 .2812 .3074 .3595 .4108 .4976 .7390 1.3529  
RP25/A .1346 .1998 .2299 .2559 .2816 .2922 .3258 .3546 .4110 .4738 .5707 .8481 1.5039  
RP50/A .1490 .2230 .2555 .2833 .3116 .3219 .3573 .3877 .4464 .5179 .6214 .9239 1.6060  
RP100/A .1628 .2457 .2804 .3098 .3406 .3505 .3875 .4192 .4798 .5598 .6674 .9937 1.7009  
RP1000/A .2053 .3182 .3595 .3936 .4323 .4404 .4815 .5181 .5896 1.6896 1.8216 2.1256 1.9825  
RP10000/A .2477 .3863 .4358 .4735 .5196 .5525 .5961 .6668 .6732 .8100 .9518 1.4177 2.2320  
RP/H/A .4895 .7360 .8448 .9392 1.0290 1.0636 1.1787 1.2894 1.5128 1.7205 2.0720 3.0726 5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
F60 A851 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
LAYTONVILLE	1640	01	21N	15W	M	39°7'00"	123°4'43"	23		

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	600	3650	
2	5.12	7.03	7.86	8.69	9.70	10.43	11.94	13.28	15.33	17.04	20.86	30.38	57.66	
5	6.89	9.66	10.73	12.05	13.11	13.98	15.85	17.59	20.19	22.55	27.47	40.05	71.55	
10	8.03	11.42	12.61	14.19	15.31	16.23	18.29	20.22	23.06	25.91	31.24	45.80	79.42	
20	9.09	13.12	14.74	16.17	17.11	18.02	20.24	22.51	25.24	28.16	33.95	51.65	84.24	
25	9.29	13.59	14.92	16.57	17.94	18.44	21.19	23.26	25.36	29.08	36.03	51.65	88.29	
40	9.56	14.67	16.05	16.85	18.24	20.26	22.50	24.81	27.92	31.78	38.22	55.85	92.40	
50	10.42	15.17	16.58	18.34	19.90	20.67	23.24	25.56	28.64	32.66	34.23	57.33	94.28	
100	11.33	16.71	18.20	21.06	21.75	22.72	25.21	27.57	30.78	35.31	42.29	61.78	99.85	
200	12.31	18.23	19.78	21.73	23.55	24.52	27.10	29.56	32.82	37.46	45.17	66.05	105.10	
1000	14.42	21.65	23.34	25.49	27.60	28.55	31.39	33.97	37.27	43.49	51.55	75.42	116.38	
10000	17.39	26.42	28.28	31.66	33.17	34.06	37.45	39.71	43.19	51.09	61.04	71.86	131.02	
PMP	34.21	5.08	5.82	6.81	8.59	9.85	12.87	14.81	19.74	26.52	39.63	59.64	91.98	130.86

MEAN	5.461	7.628	8.466	9.501	10.361	11.059	12.568	13.903	15.869	17.834	21.720	31.613	58.704
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.791	2.461	2.762	2.541	2.528	2.421	2.336	2.144	1.783	2.011	1.566	9.934	.153
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.700	.700	.400	

KUHT0515	7.259	13.10	12.671	11.189	10.720	9.911	9.880	8.887	7.528	8.834	5.610	3.361	2.058
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	12.361	22.73	25.620	27.57	29.02	30.44	31.98	35.80	41.560	43.000	55.150	84.040	
NORMALIZED MAX	2.897	3.44	3.472	3.47	3.536	3.429	3.474	3.507	3.249	4.1404	2.818	2.227	1.736
CALC. COEF. VAH	.498	.575	.567	.534	.510	.467	.419	.385	.387	.391	.348	.334	.249
REGN. COEF. VAH	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0930	1.959	1.142	.1619	.1765	.1884	.2141	.2366	.2703	.3238	.3700	.5385	1.0000
RP10/A	.118	1.945	.2148	.2000	.2656	.2765	.3116	.3444	.3928	.4414	.5352	.7811	.13529
RP25/A	.1605	.2316	.2541	.2622	.3063	.3227	.3610	.3973	.4490	.5091	.6137	.8965	.16039
RP50/A	.1774	.2585	.2815	.3129	.3559	.3755	.4399	.4344	.4878	.5564	.6683	.9766	.16060
RP100/A	.1938	.2847	.3100	.3417	.3704	.3871	.4294	.4699	.5243	.6015	.7200	.9525	.17079
RP1000/A	.2456	.3668	.3977	.4342	.4702	.4963	.5335	.5766	.6349	.7409	.8782	.12848	.19825
RP10000/A	.2950	.4500	.4818	.5222	.5651	.5900	.6311	.6798	.7356	.8703	.1.0237	.1.4985	.2.3230
PPM/A	.5828	.8530	.9338	1+.359	1+.1190	1+.1746	1+.3060	1+.4447	1+.6530	1+.8486	2+.2292	3+.2668	.5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
F60 5713 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
MIRANDA SPENGLER RCH	248	400	19	035	04E	M	40°20'	123°7'47"	12	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	600	3650
2	3.81	5.45	6.66	7.57	8.43	9.26	10.61	11.67	13.85	15.60	18.71	27.71	54.94
5	5.13	7.48	9.12	10.27	11.40	12.42	14.09	15.45	18.24	20.64	24.62	36.54	68.18
10	5.97	8.66	10.72	12.00	13.31	14.41	16.26	17.76	20.82	23.72	26.16	41.48	75.54
20	6.76	10.13	12.21	13.61	15.05	16.25	18.23	19.45	23.46	26.51	31.33	55.56	88.18
25	7.01	10.43	12.51	13.84	15.13	16.34	18.32	19.54	23.51	26.56	30.39	54.00	84.13
40	7.13	11.36	13.64	14.36	15.90	17.99	20.04	21.81	25.22	29.10	34.26	50.94	88.05
50	7.75	11.75	14.09	15.63	17.30	18.53	20.66	22.40	25.87	29.90	35.16	52.29	89.84
100	8.46	12.95	15.47	17.09	18.91	20.18	22.40	27.85	32.33	37.88	56.36	95.14	
200	9.16	14.12	16.81	18.51	20.46	21.78	24.09	25.97	29.65	34.66	40.44	60.25	100.15
1000	10.73	16.77	19.84	21.71	24.00	25.35	27.84	29.84	33.67	39.82	46.21	68.80	110.90
10000	12.88	20.46	24.04	26.12	28.85	30.23	32.93	35.05	39.04	46.76	53.60	69.00	124.65
PMP	25.45	36.79	46.80	51.81	57.12	61.62	68.14	74.50	87.85	99.35	117.29	170.03	280.80

MEAN/A	4.062	5.908	7.196	8.095	9.009	9.819	11.171	12.213	14.334	16.328	19.467	28.836	55.937
CLOCK HR. COR.	1.140	1.670	1.040	1.200	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.924	1.810	1.235	.661	.781	.723	.640	.486	.219	.438	.261	.164	.165
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400	

KURTO515	8.244	7.874	5.328	3.983	3.894	3.746	3.444	3.221	2.909	3.575	3.307	2.136	2.770
N	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28	.28
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	7.440	12.330	13.970	14.930	15.960	16.620	18.310	19.650	23.730	26.620	31.300	45.100	82.000
NORMALIZED MAX	2.697	3.151	2.97	2.51	2.662	2.64	2.355	2.246	2.046	2.246	2.139	1.902	2.163
CALC. COEF. VAR	.312	.312	.322	.311	.269	.260	.274	.269	.293	.290	.298	.297	.216
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0726	.1056	.1287	.1447	.1611	.1755	.1997	.2183	.2563	.2919	.3480	.5155	1.0000
PP10/A	.1585	.1585	.2146	.2379	.2577	.2946	.3175	.3723	.4241	.5034	.7478	.13529	
PP25/A	.1523	.1862	.2257	.2523	.2795	.3073	.3368	.3663	.4257	.4891	.5733	.6582	.1.0359
PP50/A	.1395	.2101	.2520	.2794	.3093	.3313	.3693	.4004	.4624	.5346	.6286	.9348	.1.0606
RP100/A	.1513	.2314	.2765	.3055	.3380	.3607	.4005	.4330	.4700	.5780	.6772	.1.0075	.1.7009
RP1000/A	.1918	.2998	.3548	.3882	.4290	.4531	.4976	.5333	.6019	.7119	.8260	.1.2299	.1.9

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP WNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F60 9045 U SCOTIA 263 139 07 01N 01F M 40°48' 124°100' 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	400	3650
2	3.63	4.72	5.79	6.48	7.03	7.61	8.69	9.65	11.52	12.93	16.07	24.01	49.52
5	4.89	6.49	7.90	8.78	9.50	10.20	11.54	12.78	15.18	17.12	21.15	31.66	61.45
10	5.70	7.67	9.28	10.72	11.84	13.03	14.69	17.33	19.67	21.46	24.94	36.24	68.21
20	6.46	8.49	10.19	11.65	13.57	15.23	16.92	19.21	21.52	23.22	25.91	40.40	73.37
25	6.69	9.13	10.98	12.07	13.03	13.92	15.27	16.95	19.81	22.68	27.74	41.60	75.82
40	6.81	9.86	11.82	12.28	13.26	14.78	16.44	16.03	20.98	24.13	29.42	44.14	79.36
50	7.40	10.19	12.21	13.37	14.42	15.23	16.99	19.21	21.52	24.73	30.20	45.31	80.97
100	8.08	11.23	13.40	14.62	15.76	16.58	18.34	20.03	23.13	26.80	32.51	48.83	85.75
200	8.75	12.24	14.56	15.94	17.07	17.89	19.72	21.46	24.67	28.74	34.77	52.20	90.26
1000	10.24	14.55	17.19	19.57	20.00	20.83	22.79	24.68	28.01	33.01	39.69	56.61	94.95
10000	12.30	17.75	21.82	22.34	24.06	24.84	26.36	28.07	32.45	36.78	46.26	69.53	112.53
PMR	24.40	33.64	41.36	44.32	47.61	50.31	55.80	61.63	72.91	82.37	100.74	151.67	253.09

MEAN	3.479	5.124	6.233	6.924	7.510	8.069	9.147	11.103	11.926	13.537	16.721	24.987	50.415
CLOCK HR. CUM.	1.140	1.176	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.541	.744	1.047	1.030	1.040	1.020	.995	.980	.787	.633	.698	.481	.459
REGIONAL SKW	1.100	1.300	1.200	1.100	1.000	1.000	.990	.800	.600	.600	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.990	.800	.600	.600	.700	.700	.400

KURTOSIS	2.582	2.812	3.493	3.690	4.284	4.480	4.141	4.333	3.383	2.912	3.384	2.462	2.951
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1956	1951	1951	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIM.	7.60	9.49	11.00	13.40	15.00	16.00	18.01	20.00	24.77	27.00	39.00	77.00	100.00
NORMALIZED MAX	1.420	1.784	2.177	2.327	2.648	2.770	2.998	3.432	4.262	4.629	9.988	21.271	
CALC. COEF. VAN	.275	.275	.277	.296	.306	.305	.291	.294	.301	.294	.295	.293	.232
REGN. COEF. VAN	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAN	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0769	1.116	1.236	1.373	1.490	1.601	1.814	2.004	2.266	2.685	3.317	4.456	1.000
H101/A	*1.11	*1.52	*1.81	*2.36	*2.201	*2.149	*2.041	*2.014	*2.014	*2.014	*2.014	*2.014	
H225/A	*1.327	*1.611	*2.178	*2.745	*2.589	*2.747	*3.060	*3.362	*3.930	*4.499	*5.502	*6.251	*10.039
H450/A	*1.467	*2.022	*2.261	*2.651	*2.602	*3.020	*3.355	*3.675	*4.269	*4.918	*5.991	*6.988	*1.600
RP100/A	*1.003	*2.227	*2.657	*2.900	*3.126	*3.289	*3.639	*3.974	*4.588	*5.317	*6.645	*9.968	*17.009
RP1000/A	*2.031	*2.885	*3.39	*3.684	*3.668	*4.131	*4.521	*4.896	*5.557	*6.658	*7.872	*11.1825	*1.9825
RP10000/A	*2.439	*3.520	*4.130	*4.431	*4.769	*4.928	*5.364	*5.752	*6.437	*7.692	*9.176	*13.3791	*2.2320
PMR/A	*4.420	*6.673	*8.005	*H790	*9.444	*9.979	*1.068	*1.224	*1.4466	*1.6339	*1.9982	*3.0084	*6.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP WNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F60 9685 0 WILLITS HOWARD R S 1Y25 05 17N 13W M 39°35' 123°31' 23'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0 DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.33	5.81	6.73	7.37	8.03	8.88	9.63	10.84	12.74	14.29	17.52	25.61	49.45
5	5.82	7.99	9.18	9.99	10.45	11.64	12.79	14.36	16.78	18.92	23.04	33.77	61.36
10	6.79	9.44	11.79	11.60	12.65	13.52	14.75	16.51	19.16	21.74	26.36	38.66	68.11
20	7.69	10.41	12.29	13.24	14.36	15.26	16.54	18.45	21.27	24.29	29.50	42.06	73.49
25	7.81	10.54	12.44	13.33	14.39	15.31	17.10	19.05	22.07	25.97	30.23	44.37	73.72
40	8.10	12.13	13.73	13.97	15.14	16.47	18.22	21.28	23.20	26.67	32.07	47.08	79.25
50	8.61	12.54	14.19	15.20	16.67	17.38	18.75	20.82	23.74	27.71	32.91	48.33	80.86
100	9.82	13.82	15.57	16.65	18.00	18.92	20.33	22.51	25.57	29.63	35.46	52.00	85.63
200	10.41	15.07	16.92	18.01	19.50	20.42	21.86	24.14	27.27	31.77	37.90	55.68	90.14
1000	12.19	17.40	19.47	21.12	22.85	23.77	25.26	27.74	30.97	36.49	43.25	63.58	99.81
10000	14.64	21.94	24.26	25.61	27.46	28.35	29.88	32.53	35.84	38.81	50.42	74.18	112.37
PMR	28.93	41.40	46.90	50.40	54.38	57.42	61.84	62.28	66.83	71.05	107.19	181.77	292.73

MEAN	4.617	6.306	7.243	7.875	8.579	9.209	10.138	11.354	13.186	14.963	18.222	26.650	50.345
CLOCK HR. COR.	1.140	1.176	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	*1.030	*1.490	1.968	1.852	*1.084	*2.004	1.992	1.744	*1.508	*1.549	*1.76	.987	*2.10
REGIONAL SKW	1.100	1.300	1.200	1.100	1.000	1.000	.990	.800	.600	.600	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	1.000	.990	.800	.600	.600	.700	.700	.400

KURTOSIS	4.818	6.262	8.342	7.205	6.622	7.403	7.893	6.728	6.172	5.444	4.144	3.309	2.306
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIM.	6.800	14.520	16.990	20.400	21.840	23.600	25.200	26.800	32.720	34.000	48.000	50.000	71.70
NORMALIZED MAX	2.140	2.27	3.162	3.083	3.148	3.550	3.120	3.375	3.417	2.452	2.365	1.070	
CALC. COEF. VAN	*4.13	*4.74	*5.31	*4.94	*4.68	*4.39	*4.10	*3.93	*3.78	*3.82	*3.49	*3.40	.227
REGN. COEF. VAN	*3.51	*3.71	*3.65	*3.60	*3.56	*3.49	*3.40	*3.40	*3.41	*3.39	*3.35	*3.38	.268
USED COEF. VAR	*3.51	*3.71	*3.65	*3.60	*3.56	*3.49	*3.40	*3.40	*3.41	*3.39	*3.35	*3.38	.268

MEAN/A	.0917	1.252	1.439	1.564	1.764	1.829	2.014	2.255	2.619	2.972	3.619	.5294	1.0000
R10/A	*1.075	*2.143	*2.319	*2.517	*2.685	*2.930	*3.280	*3.806	*4.319	*5.236	*7.679	*1.3529	
R25/A	*1.592	*2.232	*2.527	*2.495	*3.113	*3.398	*3.783	*4.351	*4.980	*5.004	*8.812	*1.4539	
R50/A	*1.749	*2.249	*2.818	*3.020	*3.272	*3.492	*3.724	*4.136	*4.726	*5.444	*6.538	*9.000	*1.6060
RP10/A	*1.911	*2.745	*3.093	*3.302	*3.576	*3.759	*4.038	*4.472	*5.080	*5.885	*7.043	*1.0346	*1.709
RP100/A	*2.421	*3.555	*3.967	*4.196	*4.538	*4.722	*5.018	*5.511	*6.152	*7.249	*8.691	*1.2630	*1.9825

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB F60 9586 0 WILLETS 154 1365 18 1HN 13W L M 39°41'3 123°35'2 23

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.15	5.53	6.43	7.21	7.88	8.55	9.77	10.64	12.03	13.11	16.15	23.76	46.52
5	5.59	7.60	8.77	9.77	10.65	11.46	12.98	14.19	15.85	17.35	21.24	31.33	57.72
10	6.52	8.98	10.31	11.42	12.45	13.31	14.98	16.20	18.10	19.94	24.33	35.86	64.07
20	8.31	11.62	12.75	13.44	14.05	14.70	15.90	17.09	18.29	20.78	27.13	39.33	64.58
25	7.65	10.69	12.19	13.43	14.62	15.53	17.35	18.69	20.69	22.99	27.87	41.16	71.23
40	7.78	11.54	13.12	13.67	14.87	16.01	18.50	19.88	21.92	24.46	29.56	43.68	74.55
50	8.46	11.74	13.56	14.87	15.91	17.11	17.03	20.43	22.48	25.13	30.34	44.84	76.06
100	9.24	13.15	14.88	16.26	17.68	18.63	20.64	22.09	24.16	27.17	32.69	48.33	80.56
200	10.00	14.34	16.17	17.62	19.15	20.10	22.19	23.69	25.75	29.13	34.33	51.66	84.79
1000	11.71	17.03	19.49	20.68	22.44	23.90	25.65	27.22	29.26	32.47	37.87	57.00	93.89
10000	14.06	21.74	23.12	24.86	26.97	27.91	30.34	31.98	33.93	34.51	46.58	68.64	105.71
PPM	27.78	39.39	44.81	44.30	53.44	56.52	62.78	67.97	76.17	83.50	101.21	150.09	237.75

MEAN	4.434	6.001	6.921	7.703	8.424	9.065	10.291	11.142	12.456	13.723	16.798	24.727	47.360
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.736	.621	.570	.580	.458	.570	.813	.602	.337	.382	.710	.100	.925
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.500	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.500	.800	.700	.700	.400

KURTOSIS	3.046	2.709	3.037	3.274	2.751	3.131	4.212	3.402	2.461	2.619	3.408	2.932	4.379
RECDRU T-FAIR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938
RECDRU MAXIMUM	7.00	10.700	13.100	15.300	15.75	18.40	22.55	23.00	22.94	25.75	32.40	48.80	97.160
NORMALIZED MAX	1.941	2.210	2.133	2.717	2.174	2.759	3.238	2.965	2.496	2.583	2.555	3.142	
CALC. COEF. VAR	.369	.354	.370	.365	.355	.361	.368	.363	.337	.352	.369	.382	.135
HEGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

HL4/V/A	.0934	.1267	.1461	.1627	.1779	.1914	.2173	.2353	.2532	.2807	.3567	.5221	1.0000
HP10/A	.1377	.1896	.2176	.2412	.2628	.2809	.3162	.3324	.3822	.4210	.5131	.7753	.13529
HP25/A	.1615	.2250	.2575	.2936	.3087	.3279	.3664	.3947	.4359	.4855	.5884	.8692	1.5039
HP50/A	.1745	.2521	.2862	.3140	.3415	.3612	.4019	.4215	.4746	.5307	.6407	.9468	1.6060
RP100/A	.1950	.2776	.3141	.3434	.3733	.3933	.4354	.4665	.5101	.5737	.6902	1.0204	1.7009
RP1000/A	.2472	.3596	.4030	.4363	.4739	.4941	.5415	.5748	.6178	.7066	.8419	1.2457	1.9825
RP10000/A	.2968	.4388	.4882	.5248	.5695	.5893	.6406	.6753	.7157	.8301	.9813	1.4528	2.2320
PPM/A	.5365	.8318	.9462	1.0410	1.1277	1.1934	1.3255	1.4351	1.6003	1.7631	2.1370	3.4692	5.0200

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB F70 9177 0 UPPER MATTIE 144 255 J3 025 01W H 40.250 124.143 12

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.63	7.70	9.10	10.71	11.33	12.74	14.64	15.76	19.13	21.43	25.76	37.93	77.93
5	7.58	10.58	12.41	14.52	15.31	17.08	19.45	20.87	25.20	28.36	33.90	50.02	96.70
10	8.44	12.50	14.59	16.97	17.88	19.83	22.44	23.99	28.77	32.60	38.77	57.26	107.34
20	10.09	14.32	16.62	19.25	20.26	22.36	25.17	26.81	31.94	36.42	43.44	63.74	116.56
25	10.74	17.09	17.28	19.65	20.50	21.80	24.00	25.20	29.00	31.74	34.46	51.74	101.22
40	13.54	16.07	17.75	21.30	21.30	24.75	27.72	29.44	34.84	39.98	47.17	69.73	124.89
50	11.46	16.62	19.18	22.10	24.24	25.50	28.52	30.25	35.74	41.09	48.41	71.59	127.42
100	12.52	18.31	21.05	24.16	25.40	27.76	30.93	32.71	38.41	44.92	52.16	77.15	134.95
200	13.55	19.96	22.85	26.18	27.51	29.96	33.25	35.07	40.96	47.62	55.74	82.48	142.05
1000	15.97	23.71	27.01	31.70	32.64	34.67	38.43	40.30	46.52	54.71	63.62	94.18	157.29
10000	19.05	26.93	32.72	36.93	38.75	41.69	45.46	47.35	53.89	64.27	74.16	109.84	177.08
PPM	37.65	54.85	63.42	73.25	76.73	84.23	94.07	104.62	121.10	136.50	161.49	239.61	398.29

MEAN	6.009	8.354	9.794	11.446	12.102	13.510	15.424	16.496	19.804	22.433	26.804	39.475	79.341
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.734	.970	.884	.327	.431	.187	.248	.399	.207	.010	.548	.020	.189
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	3.131	3.735	3.346	2.840	2.851	3.047	3.001	2.980	2.524	2.590	3.081	7.175	2.592
RECDRU T-FAIR	70	70	70	48	70	48	48	70	48	48	70	48	78
RECDRU MAXIMUM	9.350	14.300	17.240	17.980	20.760	21.590	24.860	31.240	34.350	35.650	50.000	63.600	130.000
NORMALIZED MAX	1.470	2.315	2.616	2.109	2.431	2.275	2.241	2.620	2.465	2.032	2.505	1.972	2.413
CALC. COEF. VAR	.297	.337	.313	.271	.300	.249	.273	.317	.298	.300	.356	.321	.268
RECDR. COEF. VAR	.351	.371	.365	.360	.356	.356	.349	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.356	.349	.340	.341	.339	.335	.338	.268

MEAN	.0757	.1053	.1234	.1443	.1525	.1703	.1944	.2079	.2496	.2827	.3378	.4975	1.0000
HP10/A	.1114	.1576	.1711	.2139	.2253	.2474	.2828	.3024	.3527	.4108	.4907	.7217	1.3529
HP25/A	.1407	.1777	.2175	.2595	.2597	.2718	.3048	.3416	.4738	.5604	.8283	.5039	
HP50/A	.1445	.2045	.2418	.2785	.2929	.3213	.3595	.3813	.4504	.5178	.6102	.9023	1.6060
RP100/A	.1578	.2307	.2853	.3046	.3201	.3499	.3899	.4123	.4841	.5598	.6574	.9724	1.7009
RP1000/A	.2000	.4989	.3400	.3870	.4063	.4395	.4943	.5079	.5863	.6896	.8019	1.1871	1.9825
RP10000/A	.2472	.3647	.4124	.4655	.4884	.5243	.5730	.5989	.6792	.8100	.9347	.1384	2.2320
PPM/A	.4745	.6913	.7993	.9233	.9671	.10617	.11850	.12683	.15263	.17205	.20354	.30201	.50200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER Sub F80 3161 0 FORT BRAGG 60 06 18W 17N N M 39.613 123.807 23'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.49	3.72	4.31	4.77	5.19	5.53	6.40	7.20	8.75	10.10	12.69	18.73	37.39
5	3.89	5.11	5.88	6.47	7.02	7.42	8.50	9.54	11.53	13.36	16.70	24.70	46.40
10	4.54	6.04	6.91	7.56	8.20	8.61	9.89	10.97	13.17	15.36	19.10	28.28	51.50
20	5.14	6.92	7.88	8.56	9.29	9.71	10.98	12.25	14.61	17.16	21.25	31.48	55.93
25	5.33	7.19	8.18	8.90	9.63	10.05	11.36	12.65	15.05	17.71	21.40	32.46	57.26
40	5.42	7.76	8.80	9.05	9.79	10.75	12.11	13.46	15.82	16.84	23.26	34.44	59.92
50	5.63	8.03	9.45	9.77	10.41	11.00	12.36	13.93	17.35	19.36	23.67	35.36	61.14
100	6.43	8.84	9.94	10.77	11.64	12.66	13.51	14.95	17.56	20.93	25.70	38.10	67.75
200	6.96	9.64	10.94	11.67	12.61	13.01	14.53	16.03	18.74	22.44	27.46	40.73	68.16
1000	8.15	11.45	12.80	13.63	14.78	15.15	16.79	18.42	21.25	25.77	31.34	46.52	75.47
10000	9.79	13.97	15.50	16.44	17.76	18.07	19.86	21.64	24.66	30.29	36.54	54.25	84.97
PM	19.34	26.49	30.05	32.65	35.17	36.59	41.10	45.99	55.54	64.31	79.56	118.34	191.11

MEAN	4.034	4.634	4.661	5.102	5.547	5.868	6.737	7.540	9.062	10.568	13.205	19.497	38.070
CLOCK HR. COEF.	1.140	1.070	1.040	1.120	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.559	.771	.605	.615	.623	.936	.420	.414	.570	.669	.894	.964	.516
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400

KURTOSIS	3.186	2.903	2.455	2.395	2.826	3.279	2.790	2.440	2.661	2.715	3.481	3.206	2.717
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1953	1956	1956	1965	1965	1965	1965	1965	1965	1965	1958	1958	1958
RECORD MAXIMUM	4.150	5.861	6.520	7.160	8.060	8.720	9.50	10.38	12.10	15.100	20.299	30.200	53.880
NORMALIZED MAX	1.508	1.618	1.629	1.700	1.988	2.242	2.133	2.002	2.004	2.059	2.358	2.239	2.182
CALC. COEF. VAR	.298	.286	.249	.237	.228	.217	.195	.188	.172	.208	.227	.245	.190
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0811	.1060	.1219	.1340	.1457	.1514	.1770	.1981	.2380	.2776	.3469	.5121	1.0000
RP10/A	+1.93	+1.585	+1.815	+1.987	+2.153	+2.225	+2.575	+2.680	+3.059	+4.034	+5.016	+7.429	+1.3529
RP25/A	+1.399	+1.869	+2.146	+2.333	+2.529	+2.660	+2.984	+3.323	+3.954	+4.652	+5.754	+8.625	+1.5039
RP50/A	+1.54	+2.106	+2.386	+2.587	+2.874	+2.969	+3.274	+3.732	+4.295	+5.56	+6.865	+9.287	+1.6660
RP100/A	+1.69	+2.25	+2.66	+2.859	+3.058	+3.37	+3.94	+4.37	+5.497	+7.09	+10.09	+16.09	+2.6000
RP1000/A	+1.51	+2.05	+2.365	+2.553	+2.881	+3.079	+4.410	+4.839	+5.591	+6.770	+9.233	+1.2219	+9.825
RP10000/A	+2.571	+3.670	+4.072	+4.324	+4.665	+4.746	+5.217	+5.485	+6.677	+7.953	+9.957	+1.250	+2.3230
RPMP/A	.5081	.6957	.7893	.8577	.9238	.9611	1.0795	1.2081	1.4556	1.6892	2.0899	3.1086	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F80 3191 0 FORT ROSS 116 30 08N 12W D M 38.517 123.250 49

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	3.44	4.84	5.50	6.04	6.57	7.13	8.02	8.90	10.72	11.96	14.52	21.48	42.41
5	5.18	6.65	7.51	8.19	8.88	9.57	10.64	11.79	14.12	15.83	19.10	28.33	52.62
10	6.03	7.86	8.82	9.57	10.37	11.10	12.29	13.56	16.12	18.19	21.85	32.43	58.41
20	8.83	9.00	10.05	10.81	11.75	12.52	13.79	15.15	17.89	20.32	24.31	36.10	63.43
25	7.08	9.36	10.44	11.26	12.16	12.96	14.25	15.64	18.43	20.97	24.97	34.49	64.93
40	7.29	10.10	11.23	11.45	12.39	13.86	15.19	16.63	19.52	22.31	26.58	39.50	67.96
50	8.92	10.45	11.28	12.02	13.48	15.04	16.28	17.62	20.29	23.93	24.85	39.24	69.34
100	8.55	11.01	12.73	13.43	14.73	15.55	16.86	18.46	21.25	24.78	29.39	43.70	74.44
200	9.25	12.55	13.84	14.77	15.95	16.78	18.22	19.82	22.94	26.67	31.41	46.72	77.30
1000	10.83	14.91	16.33	17.32	18.69	19.53	21.05	22.77	26.06	30.53	35.85	53.35	85.60
10000	13.01	18.19	19.78	20.83	22.47	23.29	24.91	26.75	30.19	35.86	41.79	62.22	96.37
PM	25.70	34.49	38.35	41.32	44.69	47.17	51.54	56.86	67.84	76.16	91.00	135.72	216.74

MEAN	4.103	5.253	5.923	6.456 <th>7.018</th> <th>7.565</th> <td>8.449 <td>9.321</td> <td>11.094</td> <td>12.517</td> <td>15.103</td> <td>22.359</td> <td>43.175</td> </td>	7.018	7.565	8.449 <td>9.321</td> <td>11.094</td> <td>12.517</td> <td>15.103</td> <td>22.359</td> <td>43.175</td>	9.321	11.094	12.517	15.103	22.359	43.175
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.559	.771	.605	.615	.623	.936	.420	.414	.570	.669	.894	.964	.516
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.800	.700	.700	.700	.400

KURTOSIS	4.629	3.142	3.507	4.626	4.381	3.596	3.426	2.890	2.975	3.467	4.597	4.184	2.882
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1921	1921	1921	1921	1921	1921	1921	1921	1921	1921	1921	1921	1921
RECORD MAXIMUM	8,810	10,100	12,360	14,960	16,060	16,060	16,980	17,780	21,390	26,670	37,050	53,260	79,170
NORMALIZED MAX	2,857	2,515	3,051	3,680	3,652	3,222	2,878	2,661	2,455	3,002	3,593	3,364	2,534
CALC. COEF. VAR	.402	.367	.356	.358	.353	.349	.351	.341	.378	.377	.404	.411	.329
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0950	.1217	.1372	.1495	.1625	.1752	.1957	.2159	.2570	.2899	.3498	.5179	1.0000
RP10/A	.1397	.1621	.2043	.2217	.2401	.2572	.2848	.3140	.3734	.4212	.5060	.7152	1.3529
RP25/A	.1639	.2168	.2417	.2607	.2821	.3001	.3300	.3622	.4268	.4858	.5803	.8621	1.5039
RP50/A	.1812	.2420	.2887	.3121	.3307	.3615	.3959	.4267	.4926	.5501	.6593	.9391	1.7000
RP100/A	.1934	.2474	.2947	.3137	.3321	.3600	.4000	.4498	.5274	.5970	.6807	.8621	1.7009
RP1000/A	.2509	.3454	.3783	.4011	.4330	.4523	.4876	.5274	.6036	.7070	.8033	.9121	1.2556
RP10000/A	.3013	.4214	.4582	.4825	.5204	.5395	.5769	.6197	.6992	.8306	.9679	.14410	2.3230
RPMP/A	.5953	.7988	.8950	.10305	.10925	.11937	.13169	.15713	.17641	.21076	.231076	.3,1435	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N = 15 SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
F80 7009 0 POINT ARENA

ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
172	12	12N	17W	M		38°9'17"	123°7'00"	23	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.15	4.13	4.56	5.13	5.72	6.04	7.07	7.88	9.31	10.64	13.64	20.03	39.10
5	4.24	5.68	6.22	6.96	7.73	8.10	9.39	10.43	12.27	14.08	17.94	26.42	48.52
10	4.94	6.71	7.31	8.13	9.03	9.40	10.83	11.99	14.00	16.18	20.52	30.24	53.86
20	5.59	7.68	8.34	9.22	10.23	10.60	12.14	13.49	15.54	18.08	22.83	33.66	58.49
25	5.73	7.99	8.65	9.56	10.61	10.97	12.55	13.83	16.01	18.66	23.53	34.71	59.87
40	5.91	8.62	9.31	10.72	11.49	11.91	13.38	14.74	16.95	19.44	24.71	36.93	62.66
50	5.91	8.62	9.31	10.72	11.49	11.91	13.38	14.74	16.95	19.44	24.71	36.93	63.94
100	7.00	9.62	10.56	11.58	12.83	13.16	14.02	15.35	18.69	22.05	27.61	40.75	67.71
200	7.57	10.71	11.47	12.59	14.89	14.20	16.05	17.53	19.93	23.64	29.50	43.56	71.27
1000	8.87	12.72	13.54	14.71	16.28	16.53	18.54	20.14	22.64	27.15	33.67	49.74	74.92
10000	10.65	15.52	16.41	17.69	19.57	19.72	21.94	23.67	26.23	31.90	39.25	58.01	88.85
PMP	21.00	29.42	31.80	35.10	36.75	39.93	45.39	51.30	58.94	67.75	85.44	126.55	199.84

MEAN	3.358	4.481	4.911	5.484	6.112	6.405	7.441	8.245	9.639	11.134	14.187	20.849	39.810
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.881	.409	.043	.116	.089	.051	.369	.272	.562	.334	.227	.835	.795
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	5.493	2.710	2.907	2.504	2.283	2.579	2.537	2.351	3.308	3.535	4.662	3.066	3.884
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1962	1962	1962	1956	1956	1956	1958	1958	1958	1958	1958	1958	1958
RECORD MAXIMUM	4.630	6.160	6.799	7.496	8.610	9.390	10.930	11.840	15.310	18.510	23.580	32.280	60.450
NORMALIZED MAX	1.914	1.497	1.715	1.563	1.685	1.933	1.737	1.673	2.305	2.421	2.377	1.991	2.514
CALC. COEF. VAR	.198	.250	.223	.234	.243	.241	.270	.261	.255	.274	.275	.275	.206
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0444	.1126	.1234	.1378	.1535	.1669	.1869	.2071	.2421	.2797	.3564	.5237	1.0000
RP10/A	1.241	1.665	1.837	2.043	2.268	2.382	2.720	3.012	3.518	4.064	5.155	7.597	1.3529
RP25/A	1.455	2.006	2.174	2.402	2.684	2.756	3.152	3.475	4.022	4.667	5.512	8.718	1.5039
RP50/A	1.874	2.429	2.618	2.846	3.156	3.276	3.747	4.076	4.697	5.394	6.431	9.604	1.6040
RP100/A	1.758	2.466	2.652	2.905	3.222	3.316	3.749	4.107	4.696	5.588	6.935	12.025	1.7009
RP1000/A	.2227	.3195	.3402	.3649	.4084	.4153	.4658	.5060	.5687	.6821	.8559	1.2495	1.9825
RP10000/A	.2675	.3898	.4121	.4445	.4915	.4954	.5510	.5945	.6588	.8103	.9860	1.4573	2.3220
PMP/A	.5245	.7389	.7988	.8810	.9733	1.0031	1.1403	1.2635	1.4805	1.7019	2.1471	3.1789	.50200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
F80 9851 0 YORKVILLE

ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
1120	08	12N	12W	M	M	38°9'05"	123°31'03"	23	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.41	6.22	7.10	7.99	8.67	9.25	10.46	11.56	13.37	15.24	18.49	26.80	48.84
5	5.94	8.55	9.69	10.86	11.72	12.41	13.89	15.32	17.61	20.18	24.33	35.35	60.61
10	6.92	10.10	11.39	12.67	13.69	14.41	16.03	17.61	20.11	23.19	27.83	40.47	67.28
20	7.83	11.56	12.98	14.37	15.51	16.24	17.97	19.68	22.32	25.91	30.96	45.04	73.06
25	8.12	12.02	13.48	14.90	16.01	16.81	18.57	20.31	22.99	26.74	31.91	46.44	74.79
40	8.27	12.98	14.50	15.16	16.38	17.98	19.80	21.60	24.35	28.44	33.82	49.28	78.28
50	8.97	13.42	14.98	16.50	17.97	18.52	20.37	22.20	24.41	26.23	34.15	57.97	104.07
100	11.04	16.78	19.29	20.77	21.95	22.44	24.20	26.84	31.00	37.33	54.52	84.59	141.94
200	10.61	16.12	17.87	18.54	21.06	21.77	23.79	26.62	33.88	40.00	58.28	89.03	140.00
1000	12.42	19.15	21.09	22.92	24.68	25.34	27.45	29.58	32.51	38.92	45.66	66.56	98.59
10000	14.92	23.37	25.55	27.57	29.66	30.22	32.47	34.75	37.65	45.72	53.22	77.62	110.99
PMP	29.48	44.29	49.52	54.69	58.74	61.70	67.19	73.85	84.63	97.11	115.90	169.33	249.64

MEAN	4.706	6.674	7.649	8.545	9.265	9.815	11.014	12.106	13.839	15.558	19.236	27.879	49.730
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.472	.926	.913	.758	.910	.857	.490	.490	.163	.781	.728	1.106	1.235
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	2.841	4.730	4.415	3.927	4.399	4.310	3.539	3.239	2.798	3.278	3.374	4.731	5.169
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1984	1965	1965	1965	1956	1956	1956	1956	1956	1956	1956	1941	1941
RECORD MAXIMUM	7,050	13,220	14,720	16,000	17,260	18,200	19,380	20,970	22,140	29,100	33,390	56,950	94,700
NORMALIZED MAX	1.430	2.609	2.629	2.547	2.497	2.512	2.446	2.328	2.049	2.605	2.262	2.982	3.077
CALC. COEF. VAR	.348	.368	.352	.342	.346	.340	.311	.314	.293	.316	.325	.349	.294
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0946	.1357	.1538	.1718	.1863	.1974	.2215	.2434	.2783	.3209	.3868	.5610	1.0000
RP10/A	1.392	2.031	.2291	.2548	.2752	.2897	.3223	.3541	.4044	.4663	.5595	.8137	.13529
RP25/A	1.632	2.418	.2710	.2996	.3233	.3381	.3735	.4084	.4623	.5377	.6417	.9336	.15039
RP50/A	1.805	2.699	.3012	.3347	.3537	.3725	.4046	.4627	.5028	.5537	.6561	.9136	.1760
RP100/A	1.117	1.773	.1948	.2282	.2421	.2469	.2963	.3059	.3548	.4534	.5757	.9163	.17009
RP1000/A	.2908	.4851	.4241	.4669	.4963	.5095	.551						

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB F90 135 0 ALPINE DAM 680 0IN 07W M 37.942 122.638 21

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.45	5.72	6.76	6.39	5.40	7.56	8.52	9.26	11.24	12.54	14.85	21.32	46.99
5	5.99	7.86	9.22	8.66	9.41	10.14	11.37	12.29	14.80	16.60	19.53	28.12	60.79
10	6.98	9.28	10.83	10.13	10.94	11.77	13.05	14.13	16.96	19.08	22.34	32.19	67.47
20	7.90	10.63	12.35	11.71	12.66	13.28	14.64	15.79	18.76	21.20	24.85	35.87	73.57
50	8.11	11.05	13.79	12.12	13.13	14.69	16.13	17.34	20.46	23.40	27.18	36.94	75.01
100	9.33	11.93	13.79	12.12	13.13	14.69	16.13	17.34	20.46	23.40	27.18	36.94	78.51
500	9.06	12.34	14.25	13.19	14.29	15.14	16.59	17.82	20.99	24.05	27.90	40.24	80.10
1000	9.89	13.53	15.64	14.42	15.61	16.48	17.99	19.26	22.56	26.00	30.05	43.37	84.93
2000	10.71	14.82	17.00	15.62	16.91	17.79	19.34	20.66	24.05	27.88	34.12	46.36	89.29
10000	12.54	17.60	20.06	18.32	19.82	20.71	22.35	23.74	27.32	32.03	36.66	52.94	98.88
100000	15.45	21.48	24.30	20.24	23.82	24.70	26.44	27.89	31.65	37.42	42.73	61.75	111.32
PPM/P	29.74	40.71	47.10	43.72	47.17	50.01	54.72	59.26	71.12	79.90	93.05	134.69	250.37

MEAN	4.748	6.201	7.275	6.831	7.440	8.021	8.970	9.715	11.630	13.131	15.445	22.190	49.875
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.000	.839	.806	1.009	1.261	1.017	.741	.669	.718	1.024	.713	1.102	.537
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.800	.600	.800	.700	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	3.273	3.355	3.066	7.017	5.081	3.736	2.595	2.404	3.027	3.748	2.815	5.045	2.606
N	52	52	52	29	25	25	25	25	25	25	25	25	52
RECORD YEAR	1970	1963	1963	1963	1963	1963	1932	1932	1936	1936	1936	1936	1941
RECORD MAXIMUM	8,270	11,550	14,450	15,490	15,490	15,490	16,260	17,530	20,300	>20,650	27,130	44,930	86,650
NORMALIZED MAX	1.929	2.197	2.371	3.202	3.202	2.448	1.941	1.945	2.178	2.455	2.198	2.915	2.241
CALC. COEF. VAR	.345	.399	.411	.396	.397	.397	.397	.398	.398	.398	.398	.398	.329
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A	.0952	.1243	.1459	.1370	.1492	.168	.1798	.1948	.2332	.2633	.307	.4449	1.0000
RHD/A	1.140	1.681	1.020	.208	.241	.2361	.173	.337	.337	.337	.337	.337	.3529
RP25/A	1.169	.2216	.5570	.5988	.2594	.2205	.3003	.3260	.4412	.5137	.7407	.1.39	
RP50/A	1.187	.2557	.6444	.6866	.3025	.3284	.3573	.3708	.4822	.5593	.8068	.1.660	
RP100/A	1.193	.2725	.3135	.2892	.3131	.3305	.3607	.3863	.5423	.5213	.6026	.8695	1.7009
RP1000/A	2.513	.3529	.0422	.3674	.3473	.4152	.4482	.4759	.5477	.6421	.7350	1.0515	.9825
RP10000/A	.3018	.4306	.8473	.4419	.4776	.4952	.5302	.5591	.6345	.7543	.8568	1.2380	2.2320
PPM/A	.5964	.8163	.9445	.8766	.9457	1.0028	1.0971	1.1862	1.4259	1.6021	1.8658	2.7006	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB F90 1402 0 CAZADERO 22 1040 13 08N 12W R M 38.530 123.126 49

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.47	8.96	10.39	11.6*	12.48	13.62	15.56	17.70	20.18	23.08	27.83	39.41	72.34
5	8.71	12.32	14.18	15.79	16.87	18.27	20.67	23.44	26.56	30.54	36.62	51.97	89.77
10	10.16	14.55	16.66	18.46	19.70	21.21	23.84	26.25	30.35	35.10	41.88	59.50	99.64
20	11.50	16.65	16.99	20.94	22.32	23.92	26.74	30.11	33.69	39.22	46.59	66.23	108.20
25	11.91	17.32	19.42	21.21	23.14	24.75	27.20	31.04	34.48	40.48	48.03	68.44	110.77
40	12.12	18.70	21.21	22.08	23.54	26.24	29.45	33.06	36.75	43.45	52.05	72.46	151.93
50	13.17	19.34	21.91	24.03	25.60	27.27	30.30	33.98	37.70	44.24	52.30	76.38	111.29
100	14.39	21.30	24.05	26.28	27.99	29.69	32.86	36.74	40.51	47.83	56.34	80.16	125.27
200	15.57	23.23	26.15	28.47	30.31	32.04	35.33	39.39	43.20	51.28	60.21	85.70	131.86
1000	18.24	27.55	30.85	33.39	35.52	37.30	40.83	45.28	49.07	58.91	67.72	97.86	146.01
10000	21.40	33.67	37.37	40.17	42.69	44.49	48.30	53.18	56.81	69.21	80.11	114.13	164.39
PPM	43.27	63.82	72.43	79.67	84.54	90.10	99.94	113.01	127.74	146.99	174.45	248.98	369.73

MEAN	6.907	9.721	11.187	12.449	13.334	14.450	16.384	18.520	20.889	24.156	28.954	41.018	73.651
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.617	1.052	1.043	1.616	1.774	2.070	1.462	.751	.844	1.248	1.245	1.015	.946
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	3.735	4.084	4.216	6.925	7.943	10.103	7.280	4.261	4.019	4.977	5.244	3.840	4.235
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1956	1966	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	10.750	17.140	18.830	24.350	27.680	31.180	34.700	35.51	39.200	48.120	60.640	75.340	131.250
NORMALIZED MAX	1.948	2.345	2.249	3.251	3.506	3.760	3.492	2.866	2.620	2.920	3.074	2.477	2.811
CALC. COEF. VAR	.286	.355	.355	.294	.311	.308	.320	.326	.335	.340	.356	.330	.278
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.349	.350	.350	.341	.339	.335	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.349	.350	.350	.341	.339	.335	.268

MEAN/A	.0938	.1320	.1519	.1690	.1810	.1962	.2224	.2515	.2836	.3280	.3931	.5569	1.0000
RHD/A	1.149	.2262	.2508	.2675	.2880	.3237	.3658	.4121	.4766	.5397	.6774	.1.3529	
RP25/A	1.168	.2676	.2677	.3245	.3704	.4141	.4522	.4815	.526	.5521	.8271	.1.5039	
RP50/A	1.179	.2626	.2975	.3263	.3476	.3703	.4114	.4518	.5118	.6067	.7131	.1.0099	.1.0060
RP100/A	1.194	.2892	.3265	.3568	.3800	.4032	.4461	.4988	.5501	.6494	.7560	.1.0894	.7009
RP1000/A	.2476	.3747	.4188	.4534	.4822	.5065	.5543	.6145	.6662	.7999	.9331	1.3287	1.9825
RP10000/A	.2974	.4571	.5074	.5454	.5797	.6041	.6557	.7220	.7718	.9397	.1.0877	.1.5497	2.2320
PPM/A	.5875	.8665	.9835	1.0818	1.1478	1.2233	1.3569	1.5343	1.7304	2.0988	2.3686	3.3085	5.2000

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 1838 0	STATION NAME CLOVERDALE 3 SSE	FLEV	SFC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY CODE
		320	29	11N	10W	M	38°7.67'	122°9.83'	49	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94
PMP	31.05	42.12	46.61	49.81	53.49	54.88	60.84	67.13	74.76	86.95
		10	20	30	40	50	60	80	100	150
		10	20	30	40	50	60	80	100	150
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65
5	6.75	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07
10	7.29	9.60	10.72	11.54	12.46	14.51	16.01	17.77	20.76	24.98
20	8.25	11.08	12.58	13.84	14.77	16.28	17.84	19.72	23.94	28.65
25	8.85	11.34	12.85	14.07	14.64	15.46	16.92	18.71	20.31	24.07
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47
50	9.45	12.76	14.10	15.23	15.20	16.61	18.44	20.18	22.97	26.17
100	10.33	14.05	15.47	16.43	17.70	18.09	20.05	21.82	23.72	26.29
200	11.18	15.33	16.82	17.80	17.17	19.52	21.51	23.46	25.29	30.33
1000	13.09	18.21	18.85	20.88	22.47	22.72	24.85	26.89	28.72	34.95
10000	15.72	22.22	24.05							

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F90 3577 0 GRANTON 200 21 37N 09W P M 38.431 122.864 49

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	1U	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.99	4.97	5.70	6.34	6.99	7.47	8.51	9.51	11.16	12.34	14.76	21.20	39.75
5	5.38	6.83	7.77	8.60	9.33	10.02	11.30	12.59	14.70	16.33	19.42	27.96	49.33
10	6.27	8.07	9.14	10.06	10.89	11.64	13.04	14.47	16.79	18.77	22.21	32.01	54.76
20	7.09	9.24	10.81	11.84	12.34	13.12	14.67	16.19	18.65	20.97	24.11	35.63	59.46
40	7.35	9.94	10.81	11.73	12.79	13.56	14.77	16.71	19.97	21.45	24.47	33.73	57.67
60	7.48	11.37	11.63	12.03	13.01	14.52	15.97	17.76	20.32	23.02	27.02	38.98	63.71
50	8.13	11.72	12.02	13.10	14.15	14.96	16.57	18.25	20.85	23.46	27.73	40.01	65.00
100	8.88	11.81	13.19	14.32	15.47	16.29	17.97	19.73	22.61	25.58	29.86	43.12	69.84
200	9.61	12.88	14.33	15.51	16.75	17.58	19.32	21.16	23.89	27.42	31.93	46.10	72.46
400	11.25	15.30	16.92	16.20	17.63	20.47	22.33	24.31	27.13	31.50	36.44	52.64	80.24
1000	13.51	16.67	20.49	21.89	23.90	24.41	26.41	28.57	31.43	37.01	42.48	61.40	90.34
RPD/A	26.70	35.39	39.72	43.44	46.73	49.43	54.65	60.71	78.64	78.60	92.50	133.92	203.19

MEAN	5.391	6.135	6.784	7.371	7.928	8.959	9.952	11.552	12.917	15.353	22.065	40.474
CLOCK MR. COR.	1.140	1.470	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.447	.567	.321	.278	.382	.501	.372	.230	.118	.310	.593	.726
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	2.728	3.157	2.374	2.422	3.160	3.526	2.678	2.470	2.308	2.689	3.231	3.332	2.651
N	70	70	70	70	70	70	70	70	70	70	70	70	76
RECORD YEAR	1937	1967	1967	1956	1956	1956	1956	1956	1956	1909	1909	1909	1941
RECORDED MAX	6.900	9.540	9.830	12.200	14.460	16.210	16.950	18.000	20.230	23.380	29.470	43.530	70.810
NORMALIZED MAX	1.940	2.510	2.810	3.410	3.990	4.590	5.290	5.990	7.240	8.540	12.050	21.530	39.530
CALC. COEF. VAR	.316	.306	.318	.329	.377	.345	.348	.332	.318	.330	.330	.330	.296
REGN. COEF. VAR	.351	.371	.365	.380	.356	.349	.340	.346	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.341	.335	.338	.268

MEAN A	1.132	.1516	.1676	.1821	.1959	.2214	.2459	.2854	.3192	.3793	.5452	1.0000	
RPD/A	.15	.192	.225	.255	.275	.321	.354	.412	.477	.5467	.5467	.5467	
RP525/A	.1816	.2216	.2571	.2922	.3160	.3355	.3733	.4125	.4741	.5348	.5293	.9765	
RP50/A	.2048	.2450	.2969	.3236	.3407	.3697	.4094	.4510	.5150	.5845	.6952	.9886	
RP100/A	.2194	.2919	.3258	.3538	.3822	.4025	.4439	.4876	.5520	.5319	.7382	.1.0554	
RP1000/A	.2780	.3781	.4179	.4496	.4851	.5057	.5516	.6007	.6704	.7784	.9048	.1.3007	
RP10000/A	.3339	.4613	.5063	.5408	.5831	.6031	.6252	.7058	.7766	.9143	.1.0495	.1.5165	
RPD/A	.6597	.8744	.9814	1.0727	1.1566	1.2214	1.3502	1.4999	1.7453	1.9420	2.2855	3.3091	.5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F90 3875 0 MEADSBURG 442 101 19 09N 09W M 38.617 122.833 49

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.87	5.19	6.56	7.18	7.76	9.02	9.96	11.78	13.06	15.63	22.10	39.69	
5	5.21	7.13	8.17	8.89	9.70	10.43	11.99	13.19	15.52	17.29	29.14	49.25	
10	6.07	8.43	9.60	10.39	11.33	12.09	13.83	15.17	17.72	19.87	23.52	33.36	
20	6.87	9.65	10.95	11.79	12.84	13.63	15.51	16.96	19.67	22.29	36.17	59.36	
25	7.12	10.42	11.86	12.22	13.41	14.24	15.76	17.52	20.26	22.82	38.42	67.77	
40	7.42	10.93	12.42	13.54	14.59	15.67	17.61	19.61	21.78	24.38	28.62	46.63	
50	7.67	11.20	12.63	13.53	14.73	15.54	17.19	20.21	25.05	29.27	41.71	64.90	
100	8.60	12.30	13.86	14.80	16.10	16.92	19.06	20.68	23.67	27.08	31.64	44.95	
200	9.31	13.46	15.07	16.03	17.43	18.26	20.44	22.17	25.23	29.03	33.82	48.05	
1000	10.90	15.98	17.78	18.80	20.43	21.26	23.60	25.48	28.65	33.35	38.60	54.88	
10000	13.09	19.50	21.54	22.62	24.55	25.35	28.01	29.94	33.19	39.18	44.99	64.00	
RPD/A	25.86	36.97	41.76	44.86	46.62	51.34	57.96	63.62	74.59	83.22	97.96	139.61	202.85

MEAN A	5.631	6.444	7.009	7.669	8.235	9.502	10.429	12.197	13.676	16.262	23.000	40.408
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.147	.653	.513	.367	.232	.250	.269	.142	.181	.365	.614	.673
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	2.354	3.446	3.249	2.669	2.528	2.752	2.522	2.476	2.308	2.833	3.003	3.121	2.299
N	78	78	78	78	78	78	78	77	77	77	77	77	76
RECORD YEAR	1916	1963	1907	1907	1907	1907	1907	1930	1941	1969	1909	1909	1941
RECORDED MAX	6.360	9.970	12.080	12.560	13.163	15.120	16.790	18.110	21.310	26.400	32.730	46.855	72.550
NORMALIZED MAX	1.777	2.304	2.676	2.431	2.229	2.529	2.249	2.146	2.099	2.687	2.782	2.855	2.92
CALC. COEF. VAR	.313	.334	.326	.326	.321	.331	.341	.343	.356	.350	.354	.368	.323
REGN. COEF. VAR	.351	.371	.369	.380	.359	.349	.340	.341	.339	.335	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.339	.335	.335	.338	.268

MEAN A	1.022	1.394	1.596	1.735	1.898	2.038	2.258	2.581	3.019	3.385	4.024	.5692	1.0000
RPD/A	.1502	.2086	.2377	.2725	.2804	.2994	.3222	.3754	.4386	.4949	.5622	.8256	1.1599
RP525/A	.1502	.2248	.2482	.3025	.3293	.3491	.3765	.4433	.5014	.5671	.6576	.9476	.54039
RP50/A	.1948	.2772	.3126	.3349	.3644	.3846	.4349	.5733	.6547	.6199	.7269	.1.0322	.6060
RP100/A	.2128	.3055	.3431	.3662	.3983	.4188	.4716	.5118	.5854	.6702	.7831	.1.1224	.7409
RP1000/A	.2697	.3956	.4401	.4653	.5055	.5261	.5860	.6305	.7090	.8254	.9552	.1.3580	.9425
RP10000/A	.3239	.4867	.5333	.5597	.5976	.6275	.6932	.7408	.8214	.9697	.1.1135	.1.5839	.2.3230
RPD/A	.6400	.9149	1.0334	1.1102	1.2032	1.2706	1.3574	1.5744	1.8458	2.0595	2.4247	3.4555	5.4500

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F90 4680 0 KELLLOGG 1800 09 DYN 07W M 38°66'7" 122°6'67" 49

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.75	5.03	6.99	7.62	8.24	8.87	10.00	10.80	12.39	14.25	16.06	24.21	44.00
5	6.40	6.28	9.54	10.33	11.14	11.89	13.28	14.31	16.32	18.86	22.18	31.93	54.60
10	7.45	9.74	11.21	12.08	13.01	13.86	15.32	16.45	18.64	21.67	25.37	36.55	60.61
20	8.44	10.62	13.07	13.71	14.21	15.04	16.40	17.44	19.04	20.49	23.42	34.23	46.95
25	8.64	11.65	12.26	12.90	15.28	16.11	17.75	18.98	20.39	24.99	29.10	44.95	67.38
40	8.49	12.57	14.27	14.45	15.54	17.23	18.92	20.19	22.57	26.58	30.87	44.52	70.52
50	9.67	13.00	14.74	15.73	16.90	17.75	19.47	20.75	23.15	27.31	31.68	45.70	71.95
100	10.56	14.32	16.17	17.20	16.49	19.32	21.11	22.43	24.84	29.53	34.13	49.25	76.20
200	11.43	15.62	17.58	18.63	20.01	20.85	22.70	24.05	26.52	31.66	36.49	52.65	80.21
1000	13.38	18.55	20.75	21.85	23.45	24.29	26.23	27.64	30.13	36.37	41.63	60.12	88.81
10000	16.67	22.64	25.13	26.28	28.19	28.96	31.03	32.47	34.90	42.73	48.53	70.12	99.99
PMP	31.76	42.91	49.72	52.13	55.82	58.64	64.21	69.00	78.44	90.75	105.68	124.89	224.89

MEAN	5.069	6.536	7.524	8.146	8.804	9.404	10.52*	11.312	12.827	14.913	17.540	25.200	44.799
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.175	1.442	1.561	1.495	1.536	1.422	1.455	1.342	1.320	1.014	1.353	.714	.601
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.800	.700	.700	.700	.400

KURTOSIS	4.969	5.028	5.718	5.099	5.213	5.124	5.462	5.029	6.644	7.253	5.089	3.125	2.531
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1956
RECORD MAXIMUM	9.700	14.07	16.91	18.04	19.44	20.13	21.10	23.51	27.04	35.20	36.40	45.00	66.40
NORMALIZED MAX	2.474	2.481	2.626	2.626	2.626	2.626	2.626	2.626	2.626	2.626	2.626	2.626	1.790
CALC. COEF. VAR	*4.20	*6.60	*4.51	*3.61	*4.68	*4.53	*4.15	*4.23	*4.17	*4.29	*3.88	*3.44	.270
REGN. COEF. VAR	*3.81	*3.71	*3.65	*3.60	*3.56	*3.49	*3.40	*3.40	*3.41	*3.39	*3.35	*3.38	.268
USED COEF. VAR	*3.51	*3.71	*3.65	*3.60	*3.56	*3.49	*3.40	*3.40	*3.41	*3.39	*3.35	*3.38	.268

MEAN/A	*1.125	*1.450	*1.680	*1.915	*1.965	*2.099	*2.256	*2.063	*2.299	*2.915	*5.625	1.0000	
RPI0/A	*1.664	*2.184	*2.501	*2.896	*2.903	*3.081	*3.149	*3.072	*4.160	*4.487	*5.664	*81.59	1.0259
RPI25/A	*1.662	2.600	*2.959	*3.170	*3.410	*3.397	*3.692	*4.236	*4.756	*5.578	*6.695	*93.64	1.5039
RPI50/A	*1.258	*2.902	*3.290	*3.510	*3.773	*3.962	*4.435	*4.631	*5.167	*6.097	*7.072	1.0201	1.6060
RPI100/A	*2.357	*3.197	*3.610	*3.839	*4.125	*4.314	*4.712	*5.007	*5.553	*6.592	*7.619	1.0994	1.7009
RPI1000/A	*7.988	*14.141	*4.631	*4.877	*5.235	*5.419	*5.855	*6.169	*6.726	*8.119	*9.293	1.3421	1.9825
RPI10000/A	*3588	*5053	*5611	*5667	*6292	*6463	*6926	*7248	*7791	*9537	1.0833	1.5652	2.2320
RPI100000/A	*7089	*5578	1.0875	1.1637	1.2459	1.3049	1.4333	1.5403	1.7569	*2.0257	2.3589	3.4144	5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB F90 A502 0 KENT LAKE M M W D 360 02N 08W M 37°9'98" 122°7'08" 21

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	F YR
2	5.89	7.15	8.46	52.26
5	7.93	9.83	11.54	70.87
10	9.25	11.61	13.54	82.85
20	10.47	13.30	15.45	93.97
25	10.47	13.30	15.45	93.97
40	11.03	14.92	17.26	99.12
50	11.99	15.44	17.83	107.87
100	13.10	17.00	19.57	117.99
200	14.18	18.56	21.27	127.79
1000	16.60	22.02	25.11	149.88
10000	19.94	26.87	30.42	160.28
PMP	39.39	50.94	58.96	357.66

MEAN	6.287	7.759	9.106	55.876
CLOCK HR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.555	.399	.474	.621
REGIONAL SKEW	1.100	1.300	1.200	1.100
SKEW USED	1.100	1.300	1.200	1.100

KURTOSIS	2.295	2.194	2.238	2.456
N	18	18	18	25
RECORD YEAR	1967	1967	1967	1969
RECORD MAXIMUM	9.440	12.349	15.640	91.620
NORMALIZED MAX	1.222	1.584	1.640	1.980
CALC. COEF. VAR	*4.10	*4.87	*4.45	*3.28
REGN. COEF. VAR	*3.71	*3.71	*3.95	*3.60
USED COEF. VAR	*3.51	*3.71	*3.65	*3.60

MEAN/A	*1.125	*1.389	*1.630	*1.0000
RPI0/A	*1655	*2.079	*2.427	*1.8687
RPI25/A	*1.211	*2.475	*2.871	*1.7457
RPI50/A	*2.146	*2.762	*3.192	*1.9305
RPI100/A	*2.344	*3.043	*3.593	*2.1112
RPI1000/A	*2.971	*3.942	*4.493	*2.6824
RPI10000/A	*3566	*4.809	*5.444	*3.2265
RPI100000/A	*7048	*9.117	*1.0592	*6.4000

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 7RS 01N 07W M 37° 9.46 122° 59.59 CODE  
F90 4652 0 LAGUNITAS LAKE M M W O 21

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	F YR
2	4.23	5.53	6.40	43.15
5	5.69	7.61	8.74	58.52
10	6.54	8.99	10.27	68.41
20	7.51	10.70	11.70	77.40
25	7.94	10.70	12.00	83.45
40	7.92	11.55	13.07	81.85
50	8.61	11.95	13.50	89.07
100	9.40	13.16	14.82	97.41
200	10.17	14.36	16.11	105.32
1000	11.91	17.04	19.01	123.76
10000	14.31	20.79	23.93	149.87
PMP	28.27	39.41	44.64	295.28

MEAN	4.512	6.003	6.895	46.138
CLOCK MR. CUR.	1.140	1.570	1.040	1.000
CALCULATED SKEW	1.058	.974	1.019	.620
REGIONAL SKEW	1.100	1.300	1.230	1.100
SKEW USED	1.100	1.300	1.250	1.100

KUMTOSIS	N	4.003	3.754	4.360	2.731
	N	63	63	63	63
RECORD YEAR	1966	1963	1963	1958	
RECORD MAXIMUM	9.150	11.500	15.130	86.040	
NORMALIZED MAX	2.655	2.910	2.800	2.480	
CALC. COEF. VAR	.317	.370	.377	.349	
REGN. COEF. VAR	.351	.371	.365	.360	
USED COEF. VAR	.351	.371	.365	.360	

MEAN/A	*.978	1.301	1.494	1.000
RPM/10A	*1.94	1.168	2.225	1.482
RPM/25A	*1.97	2.319	2.474	1.347
RPM/50A	*1.85	2.588	.927	1.035
RPM/100A	*2.037	2.451	3.521	2.1112
RPM1000A	*.2582	.3693	.4121	2.892
RPM10000A	*31n1	*45n6	*49n2	3.2265
PMP/A	*6127	*8542	*9676	6.4000

## PRECIPITATION DEPTH-DURATION-FREQUENCY, TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 7RS 01N 07W M 38° 4.13 122° 9.62 49  
F90 6370 0 OCCIDENTAL 460 34 07N 10W 0 M 38° 4.13 122° 9.62 49

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.07	6.45	7.32	8.29	9.08	9.83	11.20	12.57	14.81	16.77	20.01	29.37	55.04
5	6.83	8.86	9.98	11.24	12.28	13.19	14.88	16.95	19.51	22.19	26.33	38.73	68.30
10	7.97	10.47	11.73	13.14	14.34	15.31	17.19	19.46	22.28	25.51	30.11	44.34	75.81
20	9.02	11.99	13.37	14.90	16.25	17.26	19.25	21.39	24.73	28.50	33.56	49.36	82.32
25	9.34	12.47	13.88	15.45	17.84	19.86	21.89	22.07	25.21	29.41	34.43	50.88	87.27
40	9.31	13.15	14.72	17.13	19.11	21.42	23.48	27.97	31.97	34.96	54.00	88.20	
50	10.33	13.92	15.33	17.11	18.63	19.68	21.62	24.13	27.67	32.15	37.60	55.43	89.99
100	11.29	15.33	16.93	18.71	20.37	21.43	26.09	29.74	34.76	40.51	59.74	95.31	
200	12.21	16.71	18.40	20.27	22.05	23.13	25.44	27.98	31.71	37.27	43.29	63.86	100.32
1000	14.30	19.86	21.72	23.77	25.85	26.92	29.40	32.15	36.01	42.81	49.41	72.93	111.09
10000	17.17	24.23	26.31	28.59	31.07	32.11	34.78	37.77	41.72	50.29	57.59	85.05	125.07
PMP	33.93	45.93	51.01	56.71	61.52	65.03	71.97	80.26	93.75	106.82	125.42	145.54	281.30

MEAN	5.416	6.995	7.877	8.861	9.704	10.429	11.798	13.158	15.331	17.554	20.817	30.567	56.035
CLOCK MR. CUR.	1.140	1.070	1.059	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.040	-0.065	-0.171	.297	.578	.617	.259	.123	.117	.451	.395	.616	.317
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.100	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.100	.900	.800	.600	.800	.700	.700	.400

KUMTOSIS	N	3.511	2.362	2.722	2.906	3.691	3.674	3.604	2.753	2.691	3.513	3.146	3.350	2.704
RECORD YEAR	1966	1966	1966	1956	1956	1956	1956	1956	1970	1970	1970	1970	1970	1958
RECORD MAXIMUM	8.510	10.460	12.120	14.890	17.740	18.420	19.760	21.340	25.900	31.890	36.810	55.370	92.180	
NORMALIZED MAX	1.002	1.458	1.653	2.079	2.457	2.849	2.309	1.876	2.007	2.395	2.250	2.350	2.150	
CALC. COEF. VAR	.317	.340	.326	.327	.337	.308	.292	.331	.344	.341	.341	.341	.341	.349
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.349	.335	.338	.268	
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.349	.335	.338	.268	

MEAN/A	*.967	*1.248	*1.406	*1.581	*1.732	*1.861	*2.105	*2.348	*2.736	*3.133	*3.715	*5.455	*1.0000
RPM/10A	*1.42	*1.869	*2.099	*2.345	*2.556	*2.732	*3.044	*3.415	*3.972	*4.855	*5.374	*7.912	*13.359
RPM/25A	*1.66	*2.225	*2.77	*3.27	*3.75	*4.35	*5.05	*5.939	*6.455	*7.612	*9.008	*11.503	
RPM/50A	*1.94	*2.623	*2.753	*3.053	*3.325	*3.512	*3.894	*4.307	*4.937	*5.738	*6.710	*8.982	*14.600
RPM/100A	*2.014	*2.736	*3.022	*3.339	*3.935	*3.825	*4.222	*4.656	*5.307	*6.203	*7.722	*11.009	*17.009
RPM1000A	*2.552	*3.544	*3.876	*4.242	*4.613	*4.800	*5.247	*5.737	*6.627	*7.600	*8.818	*1.3015	*1.9825
RPM10000A	*3.065	*4.324	*4.696	*5102	*5545	*5731	*6207	*6740	*7445	*8975	*1.0278	*1.5179	*2.3230
PMP/A	*6.056	*8.196	*9.102	*1.0120	*1.0979	*1.1605	*1.2843	*1.4324	*1.6731	*1.9062	*2.2388	*3.3111	*6.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RNM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 0 PHOENIX LAKE M M U D 175 37.955 122.574 21

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	F YH
2	4.95	6.49	7.43	45.45
5	6.67	8.91	10.14	61.64
10	7.77	10.53	11.92	72.06
20	8.89	12.40	13.58	87.33
25	9.41	13.50	14.57	94.74
40	9.77	13.53	15.17	66.21
50	10.00	14.00	15.67	91.82
100	11.01	15.42	17.27	112.60
200	11.91	16.81	18.63	111.15
1000	13.95	19.97	22.07	130.36
10000	16.75	24.37	26.73	156.80
PHP	33.10	46.19	51.02	311.02

MEAN	5.283	7.035	8.002	48.597
CLOCK HR COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.721	.498	.375	.546
REGIONAL SKEW	1.100	1.300	1.200	1.100
SKEW USED	1.100	1.300	1.200	1.100

KURTOSIS	2.923	2.421	2.731	2.496
N	35	35	35	35
RECORD (EARL	1967	1967	1967	1941
RECORD MAXIMUM	9.000	12.31	14.00	83.180
NORMALIZED MAX	1.972	2.087	2.046	2.09
CALC. COEF. VAR	.370	.359	.347	.347
REGN. COEF. VAR	.351	.371	.365	.360
USED COEF. VAR	.351	.371	.365	.360

MEAN/A	1.087	1.448	1.647	1.6000
RP10/A	1.599	1.777	2.252	2.277
RP25/A	.2890	.2901	.2911	.2937
RP50/A	.2973	.2880	.3225	.1.9305
RP100/A	.2265	.3172	.3500	2.1112
RP1000/A	.2870	.4109	.4541	2.6824
RP10000/A	.3447	.5614	.5501	3.2265
RP/P/A	.6411	.9504	1.0662	6.4000

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RNM LATITUDE LONGITUDE COUNTY CODE  
ASN ORDER SUB 0 POTTER VALLEY POWER HOUSE 1014 06 17N 11W M 39°36' 123°13' X23

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	400	3650
2	3.67	4.94	5.79	6.50	7.15	7.75	8.75	9.83	11.69	13.00	15.62	23.84	45.12
5	4.94	6.79	7.91	8.81	9.69	10.39	11.63	13.02	15.40	17.21	20.55	31.44	56.00
10	5.76	7.92	9.29	10.30	11.28	12.20	13.41	14.97	17.58	19.78	23.51	36.24	62.64
20	6.59	9.19	10.59	11.69	12.79	13.66	15.15	16.70	19.51	22.00	26.49	40.07	67.50
25	6.74	9.59	10.99	12.17	13.25	14.35	15.54	17.27	20.10	22.81	26.96	41.31	69.10
40	6.87	10.31	11.83	13.13	14.48	15.05	16.57	18.57	21.28	24.26	28.60	43.83	72.32
50	7.47	10.66	12.22	13.42	14.67	15.51	17.05	18.87	21.83	24.93	29.36	45.00	73.79
100	8.16	11.74	13.41	14.67	15.93	16.88	18.48	20.41	23.46	26.96	31.63	48.54	78.15
200	8.83	12.80	14.57	15.89	17.36	18.22	19.88	21.88	25.02	28.90	33.80	51.84	82.25
1000	10.34	15.21	17.20	18.64	20.35	21.21	22.97	25.14	28.41	33.20	38.42	57.20	91.08
10000	12.42	18.56	20.84	22.42	24.46	25.30	27.17	29.54	32.70	39.00	44.97	67.05	102.54
PHP	24.54	35.18	40.39	44.67	48.42	51.23	56.22	62.78	73.97	82.84	97.93	150.62	230.64

MEAN	5.398	6.238	6.949	7.808	8.216	9.217	10.291	12.097	13.614	16.253	24.814	45.944	
CLOCK HR COR.	1.140	1.770	1.050	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.141	1.425	1.229	1.239	1.353	1.422	1.261	.999	.707	1.164	.813	.434	.061
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS	6.451	6.777	5.685	5.541	6.166	6.457	6.036	4.501	3.888	5.470	4.024	2.644	2.305
N	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	8.260	12.260	14.370	15.800	16.880	17.750	19.650	21.400	24.460	30.000	31.670	42.400	68.070
NORMALIZED MAX	2.733	3.194	3.497	3.232	3.394	3.200	3.084	2.850	2.850	3.211	2.677	2.133	2.037
CALC. COEF. VAR	.406	.403	.408	.395	.361	.351	.341	.356	.340	.341	.387	.354	.339
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.341	.339	.335	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.341	.339	.335	.338

MEAN/A	.0853	.1166	.1358	.1512	.1662	.1788	.2006	.2240	.2633	.2963	.3538	.5401	1.0000
RP10/A	1.25	1.746	2.052	2.243	2.456	2.525	2.919	3.258	3.826	4.205	5.117	.7824	1.3529
RP25/A	1.11	.2079	.2562	.2337	.2885	.3163	.3383	.3758	.4374	.4965	.5868	.8991	1.5039
RP50/A	1.626	.2320	.2659	.2929	.3192	.3375	.3710	.4104	.4751	.5427	.6390	.9794	1.6060
RP100/A	1.776	.2556	.2918	.3193	.3489	.3675	.4023	.4442	.5107	.5867	.6886	.1.0555	1.7009
RP1000/A	.2251	.3311	.3744	.4057	.4428	.4616	.4999	.5472	.6185	.7227	.8397	.1.2886	1.9825
RP10000/A	.2704	.4046	.4536	.4889	.5323	.5566	.5914	.6430	.7165	.8489	.9788	.1.5028	2.2320
RP/P/A	.5342	.7657	.8791	.9680	1.0540	1.1510	1.2238	1.3664	1.6101	1.8030	2.1314	3.2783	5.0200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
45N DROER SUB 790 7351 0 REDWOOD VALLEY 71R 09 16N 124° M 39°20'7" 123°20'0" 23

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.13	4.17	4.61	5.34	5.57	5.96	6.94	7.76	9.21	10.46	12.92	19.52	35.53
5	4.21	5.72	6.29	6.84	7.53	7.99	9.29	10.30	12.13	13.84	17.00	25.74	44.08
10	4.91	6.76	7.39	8.00	8.79	9.28	10.64	11.84	13.85	15.91	19.45	29.47	48.93
20	5.58	7.41	8.04	8.67	9.36	9.84	10.46	11.80	13.71	15.77	18.34	24.24	39.54
25	5.76	7.05	8.75	9.40	10.33	10.75	11.23	13.66	15.83	18.34	22.30	31.82	54.40
40	5.86	6.69	9.41	9.57	10.51	11.58	13.15	14.53	16.77	19.51	23.66	36.84	56.93
50	6.37	6.99	9.72	11.41	11.43	11.93	13.52	14.93	17.20	20.05	24.28	36.84	58.09
100	6.96	9.90	10.67	11.38	12.49	12.99	14.67	16.15	18.48	21.68	26.16	39.71	61.52
200	7.53	11.80	11.60	12.33	13.53	14.01	15.77	17.32	19.71	23.24	27.96	42.45	64.76
1000	8.82	12.82	13.68	14.47	15.86	16.31	18.22	19.97	22.38	26.70	31.91	46.47	71.71
10000	10.59	15.65	16.58	17.40	19.06	19.46	21.56	23.38	25.93	31.36	37.20	56.53	80.73
PPM	20.92	24.66	32.14	34.51	37.74	39.49	44.61	49.68	58.27	66.61	81.00	123.32	181.57

MEAN 3.340 4.510 4.964 5.393 5.952 6.320 7.313 8.144 9.529 10.947 13.445 20.317 36.170  
CLOCK HR. COR. 1.140 1.070 1.040 1.020 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW 1.027 1.203 1.322 1.190 1.323 1.261 1.153 .880 1.038 1.434 1.017 .706 .349  
REGIONAL SKEW 1.100 1.300 1.200 1.100 1.000 .960 .860 .600 .800 .800 .700 .700 .400  
SKEW USED 1.100 1.300 1.200 1.100 1.000 .960 .860 .600 .800 .800 .700 .700 .400

KUNTOSIS 5.407 5.929 6.294 5.326 5.316 4.922 5.135 3.925 4.655 5.637 3.788 2.665 2.507  
N 23 23 23 23 23 23 23 23 23 23 23 23 23 23  
RECORD YEAR 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1956  
RECORD MAXIMUM 6.160 9.160 10.000 11.000 12.000 13.000 14.000 18.000 23.000 24.000 24.000 34.500 55.100  
NORMALIZED MAX 2.247 2.649 2.912 2.773 2.683 2.683 2.683 2.683 2.683 2.683 2.683 2.683 2.683 2.683  
CALC. COEF. VAR .359 .379 .374 .374 .368 .367 .360 .308 .316 .349 .346 .357 .346  
REGN. COEF. VAR .351 .371 .365 .360 .356 .356 .349 .340 .340 .341 .339 .335 .338  
USED COEF. VAR .351 .371 .365 .360 .356 .356 .349 .340 .341 .339 .335 .338 .328

MEAN/A .0923 .1240 .1372 .1491 .1640 .1747 .2020 .2252 .2625 .3027 .3717 .5117 1.0000  
HP10/A .1358 .1870 .2044 .2111 .2431 .2565 .2952 .3275 .3589 .4398 .5377 .8148 1.3529  
HP25/A .1593 .2226 .2418 .2693 .2993 .3169 .3777 .4376 .5071 .6166 .9351 1.5039  
HP50/A .1761 .2465 .2688 .2878 .3160 .3297 .3739 .4129 .4754 .5543 .6186 1.0186 1.6060  
RP100/A .1924 .2737 .2950 .3148 .3454 .3590 .4055 .4465 .5110 .5993 .7233 1.0978 1.7009  
RP1000/A .2438 .3564 .3784 .3999 .4384 .4510 .5038 .5501 .6188 .7381 .8823 1.3401 1.9425  
RP10000/A .2928 .4326 .4585 .4811 .5269 .5380 .5966 .6463 .7169 .8671 1.0284 1.5630 2.2320  
RP1M/A .5785 .6201 .8886 .9522 1.0434 1.0894 1.2333 1.3735 1.6111 1.8416 2.2396 3.4095 5.0200

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
45N ORDER SUB F90 7965 0 SANTA ROSA 167 07N 08W M 38°45'0" 122°70'0" 49

## MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.12	3.84	4.47	4.83	5.24	5.60	6.48	7.08	8.31	9.37	11.37	16.21	29.86
5	4.21	5.28	6.09	6.55	7.08	7.50	8.61	9.38	10.95	12.41	14.96	21.38	37.06
10	4.90	6.23	7.16	7.65	8.17	8.71	9.93	10.78	12.55	14.26	17.47	24.14	41.14
20	5.55	7.14	8.11	8.68	9.24	9.82	11.20	12.57	15.37	17.52	19.04	22.24	45.67
25	5.75	7.42	8.07	8.67	9.71	10.77	11.51	12.64	14.29	15.94	17.62	20.09	45.73
40	5.85	8.81	9.12	9.16	9.84	10.87	12.27	13.23	15.13	17.49	20.82	29.80	47.86
50	6.36	8.28	9.42	9.97	10.74	11.20	12.62	13.60	15.52	17.97	21.37	30.59	48.83
100	6.95	9.13	10.34	11.90	11.74	12.20	13.69	14.76	16.68	19.43	23.02	32.97	51.72
200	7.52	9.95	11.23	11.81	12.72	13.16	14.72	15.77	17.79	20.83	24.64	35.25	54.44
1000	8.80	11.83	13.26	13.85	14.90	15.32	17.01	18.11	20.20	23.93	28.05	40.25	66.28
10000	10.57	14.42	16.08	16.68	17.91	18.27	20.12	21.28	23.41	28.12	32.49	46.93	67.87
PPM	20.89	27.34	31.13	33.04	35.47	37.01	41.83	45.23	52.60	59.72	71.28	102.41	152.04

MEAN 3.334 4.165 4.808 5.162 5.595 5.935 6.625 7.415 8.601 9.814 11.830 16.871 30.407  
CLOCK HR. COR. 1.140 1.070 1.040 1.020 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW .052 .819 .713 .780 .829 .774 .828 .512 .232 .155 .294 .606 .035  
REGIONAL SKEW 1.100 1.300 1.200 1.100 1.000 1.000 .990 .600 .800 .800 .700 .700 .400  
SKEW USED 1.100 1.300 1.200 1.100 1.000 1.000 .990 .600 .800 .800 .700 .700 .400

KUNTOSIS 2.863 4.249 4.256 4.005 3.891 3.690 4.309 3.306 2.680 2.608 3.171 3.234 2.301  
N 22 22 22 22 22 22 22 22 22 22 22 22 22  
RECORD YEAR 1963 1963 1963 1963 1956 1956 1956 1956 1956 1956 1956 1956 1956  
RECORD MAXIMUM 4.500 7.410 8.850 9.130 10.520 11.900 12.660 13.250 14.710 15.600 20.500 29.400 42.000  
NORMALIZED MAX 1.593 2.116 2.294 2.204 2.240 2.370 2.400 2.422 2.491 2.519 2.513 2.455 2.569  
CALC. COEF. VAR .309 .358 .347 .365 .373 .353 .322 .339 .336 .322 .333 .336 .284  
REGN. COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .340 .341 .339 .335 .328  
USED COEF. VAR .351 .371 .365 .360 .356 .349 .340 .340 .341 .339 .335 .335 .328

MEAN/A .1096 .1370 .1581 .1698 .1840 .1952 .2244 .2428 .2829 .3227 .3991 .5548 1.0000  
HP10/A .1613 .2050 .2355 .2517 .2719 .2865 .3266 .3546 .4110 .4690 .5628 .8048 1.3529  
HP25/A .1891 .2441 .2786 .2960 .3193 .3343 .3785 .4091 .4699 .5408 .6455 .9236 1.5039  
HP50/A .2091 .2725 .3097 .3277 .3533 .3684 .4151 .4472 .5105 .5911 .7028 1.0062 1.6060  
RP100/A .2284 .3001 .3399 .3584 .3862 .4011 .4501 .4835 .5486 .6391 .7571 1.0844 1.7009  
RP1000/A .2895 .3888 .4300 .4554 .4901 .5039 .5593 .5957 .6644 .7871 .9235 1.3238 1.9825  
RP10000/A .3477 .4744 .5282 .5478 .5891 .6010 .6616 .6999 .7697 .9246 1.0765 1.5439 2.2320  
RP1M/A .6869 .8992 .10239 .10865 .11666 .12170 .13691 .14875 .17289 .19639 .23442 .33679 .50200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
F90 9122 0

STATION NAME	ELEV	SEC	TW	RNG	LOT	BMM	LATITUDE	LONGITUDE	COUNTY
UKIAH	623	17	15N	12W	M	39°15.0	123°200	23	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.08	4.19	4.85	5.39	5.89	6.38	7.32	8.18	9.74	10.82	13.27	19.35	35.84
5	4.14	5.76	6.62	7.31	7.96	8.56	9.72	10.84	12.83	14.32	17.46	25.51	44.48
10	4.83	6.81	7.78	8.55	9.29	9.94	11.22	12.46	14.65	16.46	19.97	29.21	49.37
20	5.46	7.79	8.86	9.70	10.53	11.70	12.58	13.92	16.27	18.39	22.21	32.51	53.61
25	5.66	8.10	9.20	10.65	10.91	11.60	13.00	14.37	16.75	18.98	22.90	33.52	54.88
40	5.76	8.75	9.90	10.29	11.10	12.40	13.86	15.29	17.74	20.19	24.29	35.57	57.44
50	6.26	9.05	10.23	11.13	12.00	12.78	14.25	15.71	18.20	20.75	24.93	36.32	58.61
100	6.48	10.44	11.25	12.40	13.20	13.91	15.46	16.80	18.25	20.70	23.50	36.27	62.47
200	7.19	12.88	14.00	15.16	16.10	16.67	18.22	19.86	21.05	24.05	28.70	42.07	67.33
1000	8.47	12.91	14.40	15.46	16.75	17.48	19.21	20.93	23.64	27.63	32.76	48.04	72.35
10000	10.41	15.75	17.44	18.60	20.14	20.84	22.72	24.59	27.44	32.45	38.19	56.03	81.45
PMP	20.57	29.85	33.81	36.89	39.87	42.71	47.01	52.26	61.67	68.93	83.16	122.22	183.19

MEAN  
CLOCK HR. COR.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

1.283	4.567	5.221	5.655	6.299	6.770	7.707	8.567	10.085	11.328	13.803	20.136	36.492
1.141	1.777	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
.432	1.121	1.274	1.132	1.019	.980	.905	.783	.784	.134	1.008	.733	.288
1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
1.100	1.300	1.200	1.100	1.000	.900	.800	.600	.600	.800	.700	.700	.400

KUUTUSIS  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGN. COEF. VAR  
USED COEF. VAR

3.510	4.362	5.043	4.410	4.401	4.310	3.930	3.500	3.574	5.063	4.415	3.203	2.372
1965	1965	1955	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
19610	10.410	12.900	13.880	14.850	15.400	16.650	17.860	20.630	25.980	32.090	43.280	57.480
2.340	3.182	3.642	3.510	3.563	3.335	3.069	2.940	2.840	3.431	3.511	3.081	1.949
.377	.405	.404	.401	.382	.382	.378	.369	.364	.377	.377	.373	.295
.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
PMP/A

.0900	.1246	.1431	.1500	.1723	.1855	.2112	.2348	.2764	.3104	.3782	.5518	1.0000
.1323	.1465	.2131	.2342	.2564	.2723	.3074	.3415	.4016	.4511	.5471	.8004	.13529
.1552	.2221	.2521	.2754	.2991	.3178	.3562	.3959	.4591	.5202	.6274	.9186	.15039
.1716	.2479	.2802	.3050	.3309	.3511	.3908	.4306	.4981	.5686	.6622	.9186	.16060
.1474	.2671	.3076	.3330	.3572	.3732	.4236	.4808	.5406	.6082	.6730	.9186	.14009
.2375	.3537	.3785	.4237	.4591	.4749	.5263	.5735	.6491	.7151	.7978	.9186	.13165
.2842	.4316	.4780	.5597	.5518	.5712	.6262	.6739	.7520	.8894	.9045	.9354	.12220
.5636	.8180	.9264	1.110	1.4927	1.1547	1.2884	1.4321	1.6900	1.8890	2.2789	3.3493	.50200

STATION NO.  
85N ORDER SUB  
F90 9273 0

STATION NAME	ELEV	SEC	TW	RNG	LOT	BMM	LATITUDE	LONGITUDE	COUNTY
VENADO	1260	14	04N	10W	M	38°617	123°017	49	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
F90 9273 0

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.49	7.78	8.99	9.93	10.75	11.59	13.33	14.73	16.96	18.80	22.96	32.90	58.69
5	7.40	10.69	12.47	13.46	14.54	15.54	17.70	19.51	22.34	24.88	30.21	43.38	72.83
10	7.49	10.62	13.42	15.73	16.97	18.04	20.42	22.42	25.50	28.59	34.55	49.66	80.84
20	9.76	14.46	16.43	17.95	19.23	20.34	22.90	25.06	28.31	31.95	38.64	54.25	87.79
25	10.11	15.03	17.05	18.50	19.93	21.05	23.66	25.87	29.16	32.97	39.62	56.99	89.87
40	10.29	16.22	18.38	18.82	20.28	22.51	25.23	27.52	30.80	35.07	42.04	60.48	100.00
50	11.18	16.78	18.97	20.49	22.06	23.19	25.95	28.28	31.67	36.04	43.15	62.09	95.77
100	12.22	18.48	20.82	22.40	24.11	25.25	28.14	30.84	34.30	39.47	46.01	64.64	100.00
200	13.25	20.24	22.62	24.21	25.71	27.11	30.26	32.78	36.30	41.17	49.68	69.53	106.99
1000	15.46	20.94	22.00	26.77	30.60	31.72	34.97	37.67	41.23	47.99	56.70	81.68	114.47
10000	18.59	29.21	32.35	34.24	36.76	37.64	41.36	44.26	47.76	56.38	66.09	95.26	133.38
PMP	36.73	55.37	62.70	67.92	72.83	76.62	85.59	94.00	107.33	119.74	143.92	207.81	299.98

MEAN  
CLOCK HR. COR.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

5.863	8.433	9.683	10.612	11.467	12.289	14.032	15.419	17.552	19.678	23.888	34.235	59.758
1.141	1.070	1.064	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
.224	.207	.176	.196	.196	.196	.196	.196	.196	.196	.1956	.1956	.1941
1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KURTOSIS  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGN. COEF. VAR  
USED COEF. VAR

1.985	3.595	4.103	7.736	10.407	9.365	7.185	5.500	4.148	4.037	5.047	3.867	4.254
29	29	29	29	29	29	29	29	29	29	29	29	29
1.94	1.93	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.956	1.956	1.941
8.130	13.910	17.250	23.910	28.210	29.460	30.470	32.830	35.070	37.940	49.640	66.830	113.350
1.189	1.920	2.323	3.404	3.817	3.718	3.493	3.205	2.836	2.706	3.067	2.643	2.893
.325	.338	.336	.336	.338	.336	.335	.352	.352	.343	.352	.360	.310
.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
RP100000/A  
PMP/A

.0981	.1411	.1620	.1776	.1922	.2056	.2348	.2580	.2937	.3293	.3997	.5729	1.0000
.1443	.2112	.2413	.2633	.2840	.3018	.3417	.3753	.4268	.4785	.5782	.8310	.13529
.1693	.2515	.2855	.3096	.3336	.3523	.3964	.4329	.4879	.5518	.6631	.9537	.15039
.1871	.2807	.3174	.3428	.3691	.3881	.4342	.4732	.5300	.6631	.7220	.1028	.16060
.2044	.3093	.3483	.3749	.4035	.4226	.4709	.5180	.5577	.6200	.6937	.8031	.1949
.2591	.4006	.4468	.4764	.5121	.5308	.5851	.6304	.6899	.8031	.9488	.13669	.19825
.3111	.4886	.5413	.5732	.6165	.6352	.6922	.7406	.7992	.8434	.9100	.9594	.23230
.6147	.9205	1.0492	1.1305	1.2187	1.2822	1.4323	1.5740	1.7961	2.0038	2.4084	3.4775	.50200

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS 5 SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB G10 161A 0 CEDAHVILLE 4670 08 42N 16E M 41°52.8 120°17.3 25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.09	1.31	1.41	1.57	1.69	1.77	1.96	2.11	2.51	2.75	3.37	5.01	12.88
5	1.59	1.98	2.21	2.44	2.64	2.78	3.02	3.24	3.75	4.12	4.89	7.09	16.82
10	1.92	2.45	2.76	3.06	3.33	3.50	3.76	4.03	4.55	5.01	5.86	8.41	19.14
20	2.73	2.90	3.31	3.67	4.00	4.23	4.46	4.78	5.31	5.85	6.71	9.43	21.19
25	2.33	3.04	3.46	3.86	4.23	4.43	4.90	5.15	5.51	6.05	6.65	7.19	10.82
50	2.43	3.34	3.84	4.27	4.69	4.90	5.15	5.51	6.05	6.65	7.19	10.78	23.09
100	2.62	3.46	4.01	4.46	4.91	5.12	5.37	5.74	6.28	6.91	7.90	11.14	23.66
1000	2.91	3.97	4.53	5.05	5.58	5.81	6.04	6.46	6.98	7.68	8.73	12.22	25.39
10000	3.20	4.32	4.94	5.64	6.25	6.48	6.71	7.10	7.67	8.43	9.53	13.28	27.05
FMP	3.84	5.28	6.22	6.99	7.77	8.05	8.22	8.77	9.21	10.13	11.33	15.64	30.65
100000	4.74	6.63	7.89	8.70	9.97	10.26	10.15	11.03	11.34	12.48	13.81	18.87	35.44
N	9.20	12.39	14.45	15.89	17.41	18.36	19.00	20.65	21.11	25.11	26.27	35.35	79.05
MEAN	1.203	1.482	1.629	1.821	1.975	2.062	2.231	2.404	2.773	3.040	3.662	5.379	13.320
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.147	1.839	1.845	2.498	2.913	2.913	2.683	2.758	1.875	1.824	1.032	0.752	0.589
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.900	1.790	1.500	1.200	1.200	1.200	1.100	1.000	0.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.100	1.000	0.600
KURTOSIS	9.009	6.624	6.575	10.304	13.014	13.012	11.840	9.533	8.164	6.537	4.489	3.230	2.687
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1958	1958	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1952
RECORD MAXIMUM	2.700	3.320	3.900	5.400	6.200	6.560	6.600	6.610	6.860	6.860	6.880	9.690	21.070
NORMALIZED X	2.754	2.562	2.180	3.400	3.753	3.753	3.500	3.507	3.111	2.111	2.181	2.040	
CALC. COEF. VAR	.452	.446	.502	.570	.614	.581	.527	.500	.439	.400	.327	.341	.285
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.494	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.494	.448	.421	.329
MEAN/A	.0903	.1113	.1223	.1367	.1483	.1548	.1675	.1805	.2253	.2705	.4338	1.0000	
RPM/A	.1437	.1804	.2076	.2299	.2520	.2628	.2821	.3034	.3764	.4311	.5371	.6371	
RP50/A	.1737	.2285	.2607	.3174	.3326	.3519	.3765	.3776	.4559	.5294	.7511	.8779	
RP55/A	.1970	.2609	.3007	.3349	.3686	.3825	.4033	.4310	.4717	.5184	.6933	.8361	.17762
RP100/A	.2199	.2929	.3397	.3793	.4147	.4359	.4537	.4947	.5242	.5762	.6552	.9177	.19004
RP1000/A	.2886	.3967	.4670	.5256	.5843	.6042	.6173	.6585	.6913	.7602	.8506	.1.1742	.2.3014
RP10000/A	.3580	.4981	.5920	.6679	.7484	.7703	.7771	.8283	.8516	.9357	1.0368	1.4166	2.6605
FMP/A	.6906	.7293	1.0851	1.1930	1.3074	1.3787	1.4566	1.5504	1.7132	1.8855	2.1227	2.9542	5.9350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB G10 3157 0 FORT BLOWELL 347 4498 17 46N 16E M 41°85.0 120°133 25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.12	1.39	1.52	1.62	1.69	1.80	2.03	2.25	2.71	3.08	3.71	5.53	14.31
5	1.63	2.10	2.38	2.52	2.65	2.83	3.13	3.45	4.05	4.61	5.38	7.84	18.69
10	1.98	2.60	2.98	3.17	3.34	3.56	3.89	4.29	4.93	5.61	6.46	9.29	21.26
20	2.30	3.07	3.56	3.80	4.03	4.28	4.63	5.09	5.75	6.54	7.46	10.64	23.55
25	2.40	3.22	3.75	4.00	4.25	4.51	4.86	5.34	6.01	6.83	7.77	11.05	24.24
50	2.56	3.46	4.14	4.42	4.71	4.99	5.34	5.86	6.55	7.44	7.92	11.90	25.64
100	2.70	3.69	4.41	4.74	5.07	5.37	5.71	6.14	6.81	7.72	8.11	12.30	26.28
300	3.14	4.88	5.22	5.59	6.01	6.26	6.87	7.54	8.58	9.41	13.59	20.21	
200	3.30	4.59	5.43	5.83	6.26	6.60	6.95	7.62	8.24	9.42	10.50	14.67	30.05
1000	3.96	5.60	6.71	7.23	7.81	8.19	8.52	9.34	11.32	12.48	17.27	34.05	
10000	4.89	7.03	8.50	9.20	10.00	10.44	10.73	11.74	12.26	13.95	15.22	20.84	39.37
FMP	9.48	13.12	15.58	16.43	17.47	18.69	20.11	21.98	24.66	28.08	31.15	43.46	87.82
MEAN	1.240	1.572	1.756	1.863	1.982	2.099	2.313	2.559	2.996	3.400	4.035	5.941	14.797
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.369	1.414	1.565	1.653	1.792	1.954	1.714	1.415	1.402	1.819	1.405	1.408	.717
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.100	1.000	.600
KURTOSIS	4.478	4.378	5.198	5.786	7.164	7.516	6.573	5.270	6.028	9.112	6.924	16.189	3.384
N	64	64	64	64	64	64	64	64	64	64	64	64	64
RECORD YEAR	1971	1936	1965	1965	1963	1963	1965	1965	1965	1965	1965	1965	1971
RECORD MAXIMUM	2.350	3.230	3.860	4.260	4.860	5.370	5.520	5.960	7.460	9.350	10.180	14.180	25.260
NORMALIZED X	2.418	2.602	2.969	3.224	3.672	3.825	3.484	3.413	3.990	4.587	4.206	3.930	2.760
CALC. COEF. VAR	.370	.406	.404	.391	.396	.404	.398	.389	.382	.382	.362	.353	.256
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.482	.484	.448	.421
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.482	.484	.448	.421
MEAN/A	.0838	.1062	.1187	.1273	.1339	.1418	.1563	.1730	.2025	.2298	.2727	.4015	1.0000
RPM/A	.1355	.2015	.2141	.2254	.2408	.2632	.2896	.3333	.3788	.4365	.4881	.6471	
RP50/A	.1579	.2474	.2711	.3070	.3377	.3637	.3952	.4494	.5079	.5507	.6070	.6870	
RP55/A	.1928	.2490	.2919	.3118	.3327	.3522	.3762	.4131	.4588	.5218	.5835	.6312	
RP100/A	.2030	.2795	.3297	.3531	.3781	.3993	.4233	.4644	.5098	.5800	.6498	.9124	19.064
RP1000/A	.2677	.3786	.4532	.4883	.5276	.5534	.5759	.6310	.6762	.7052	.8046	.1.1674	2.3014
RP10000/A	.3302	.4753	.5746	.6217	.6758	.7056	.7249	.7937	.8283	.928	.1.0283	.1.0084	2.6605
FMP/A	.6405	.8868	1.0531	1.1108	1.1805	1.2630	1.3598	1.4857	1.6663	1.8978	2.1052	2.9369	5.9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 010 4675 0 LAKE CITY 4013 36 44N 15E M 41-633 120-217 25

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.32	2.41	2.60	2.78	2.96	3.20	3.46	4.07	4.52	5.64	8.16	20.87
5	2.86	3.52	3.77	4.03	4.35	4.64	4.94	5.31	6.07	6.76	8.19	11.56	27.25
10	3.45	4.35	4.43	5.00	5.20	5.84	6.14	6.50	7.39	8.20	9.83	13.00	31.00
20	4.02	5.24	5.47	6.17	6.43	7.00	7.42	8.02	9.00	11.05	12.69	17.33	31.33
25	4.19	5.40	5.95	6.39	6.99	7.39	7.66	8.21	9.00	10.03	11.82	16.30	35.34
40	4.56	5.92	6.55	7.06	7.74	8.18	8.42	9.02	9.80	10.92	12.05	17.56	37.38
50	4.73	6.17	6.85	7.38	8.10	8.55	8.78	9.44	10.17	11.33	13.25	18.14	34.32
100	5.25	6.92	7.74	8.35	9.21	9.69	9.88	10.57	11.30	12.59	14.63	19.92	41.13
200	5.77	7.67	8.62	9.32	10.31	10.87	10.96	11.72	12.41	13.48	15.17	21.47	43.11
1000	6.93	9.37	10.68	11.55	12.65	13.43	13.46	14.35	14.98	15.62	18.99	25.48	55.65
10000	8.55	11.47	13.48	14.71	16.46	17.12	16.70	18.06	18.36	20.47	23.15	30.74	57.40
PHP	16.54	21.96	24.72	26.28	27.75	30.49	31.71	33.81	36.93	41.21	47.39	64.11	126.04

MEAN	2.169	2.630	2.785	3.012	3.262	3.442	3.547	3.935	4.488	4.989	6.139	R.764	21.574
CLOCK MR. COR.	1.149	1.70	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.200	1.462	1.313	.969	.874	.857	.844	.767	.710	.744	1.085	1.385	.855
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.109	1.000	1.000
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.109	1.000	1.000

KURTOSIS	3.731	5.284	4.703	3.616	3.281	3.173	2.965	2.503	2.862	3.352	3.891	4.753	3.958
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938
RECORD MAXIMUM	4.00	6.00	6.00	6.00	6.00	6.00	7.00	7.00	7.00	7.00	7.00	13.50	41.430
NORMALIZED MAX	1.877	2.721	2.696	2.470	2.352	2.199	2.038	2.036	2.280	2.539	2.537	2.580	2.687
CALC. COEF. VAR	.597	.583	.543	.512	.468	.470	.459	.451	.418	.416	.476	.469	.336
REON. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	.105	.1219	.1291	.1316	.1512	.1595	.1890	.1824	.2090	.2313	.2845	.4052	1.0000
RP10/A	.1002	.2016	.2191	.2348	.2550	.2708	.2844	.3054	.3242	.3813	.4555	.6354	1.4371
RP25/A	.1944	.2501	.2757	.2962	.3239	.3427	.3551	.3804	.4173	.4649	.5479	.7556	1.6379
RP50/A	.2193	.2758	.3174	.3420	.3755	.3962	.4059	.4355	.4713	.5252	.6140	.8410	1.7762
RP100/A	.2436	.3209	.3587	.3872	.4268	.4491	.4578	.4897	.5238	.5838	.6780	.9233	1.9064
RP1000/A	.3213	.4345	.4930	.5355	.5956	.6225	.6228	.6553	.6908	.7702	.8803	1.1811	2.3014
RP10000/A	.3963	.5456	.6250	.6819	.7629	.7937	.7840	.8389	.8595	.9490	1.0730	1.4250	2.6605
PHP/A	.7686	1.1801	1.1456	1.2180	1.3326	1.4206	1.4497	1.5666	1.7119	1.9102	2.1967	2.9715	5.9350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 020 5231 0 MAEDLINE HWS 5231 1) 37N 13E M M 41-056 120-472 18

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.20	1.36	1.48	1.59	1.65	1.63	1.85	2.00	2.42	2.61	3.16	4.30	11.63
5	1.75	2.07	2.32	2.48	2.59	2.55	2.85	3.07	3.62	3.90	4.59	6.10	15.18
10	2.11	2.60	2.90	3.11	3.39	3.44	3.86	4.21	4.51	4.90	5.49	7.20	17.28
20	2.44	3.12	3.77	4.04	4.39	4.34	4.74	5.14	5.54	6.36	7.65	10.49	19.13
25	2.45	3.17	3.84	4.14	4.51	4.45	4.82	5.21	5.62	6.26	6.60	10.49	19.49
40	3.48	4.03	4.34	4.60	4.90	4.86	5.21	5.64	6.29	6.75	9.26	20.83	
50	2.89	3.62	4.20	4.53	4.81	4.70	5.07	5.42	6.06	6.53	7.42	9.57	21.35
100	3.21	4.07	4.75	5.13	5.47	5.32	5.70	6.10	6.73	7.26	8.19	12.29	
200	3.53	4.51	5.29	5.73	6.12	5.96	6.33	6.77	7.39	7.97	8.95	11.41	24.41
1000	4.24	5.51	6.53	7.10	7.63	7.39	7.76	8.29	8.88	9.58	10.64	13.44	27.67
10000	5.23	6.91	8.28	9.47	9.77	9.42	9.76	10.32	10.94	11.81	12.47	16.31	31.99
PHP	16.14	12.90	15.17	16.14	17.07	16.87	18.30	19.81	22.00	23.76	26.55	33.81	71.35

MEAN/A	1.326	1.545	1.709	1.850	1.937	1.894	2.105	2.272	2.674	2.877	3.439	4.622	12.022
CLOCK MR. COR.	1.149	1.70	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.170	1.573	1.824	1.901	1.759	2.045	1.654	1.403	1.203	1.052	1.232	1.923	1.374
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.200	1.200	1.200	1.100	1.000	.600

KURTOSIS	6.309	5.197	6.885	7.594	6.991	8.344	5.987	5.207	4.324	3.936	5.433	4.052	6.131
N	20	20	20	20	20	19	19	19	19	19	19	19	27
RECORD YEAR	1916	1963	1963	1963	1963	1963	1963	1963	1963	1916	1916	1916	1914
RECORD MAXIMUM	3.100	3.710	4.660	5.230	4.320	5.320	5.380	5.380	5.70	6.270	8.020	10+00	31.700
NORMALIZED MAX	2.144	2.644	2.974	3.744	3.070	3.610	2.610	2.610	2.300	2.300	2.3497	2.501	3.233
CALC. COEF. VAR	.533	.592	.601	.593	.577	.574	.552	.514	.505	.495	.476	.501	.506
REON. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	.1103	.1285	.1422	.1539	.1511	.1575	.1751	.1889	.222*	.2393	.2860	.3844	1.0000
RP10/A	.1757	.2125	.2414	.2588	.2717	.2948	.3144	.3661	.3945	.4579	.6013	1.4371	
RP25/A	.2133	.2637	.3036	.3266	.3452	.3364	.3768	.3941	.4462	.4811	.5509	.7150	1.6379
RP50/A	.2400	.3013	.3496	.3770	.4002	.3912	.4214	.4512	.5039	.5435	.6173	.7958	1.7762
RP100/A	.2572	.3382	.3951	.4259	.4548	.4435	.4742	.5076	.5600	.6041	.6816	.8736	1.9064
RP1000/A	.3524	.4581	.5431	.5904	.6346	.6148	.6451	.6893	.7385	.7969	.8855	1.1177	2.3014
RP10000/A	.4347	.5752	.6864	.7517	.8129	.7836	.8121	.8671	.998	.9820	1.0786	1.3485	2.6605
PHP/A	.4341	.1073	.12618	.13426	.14200	.14029	.15222	.1623	.18030	.19788	.22083	.28102	.5,9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 4148 13 29N 12E B M 40+303 120+550 18

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.71	2.26	2.43	2.65	2.76	2.99	3.35	3.60	4.12	4.38	5.12	7.04	14.24
5	2.49	3.43	3.80	4.11	4.32	4.69	5.17	5.53	6.16	6.56	7.42	9.96	18.59
10	3.01	4.23	4.77	5.16	5.45	5.90	6.43	6.80	7.49	7.98	8.91	11.83	21.15
20	3.50	5.01	5.70	6.19	6.57	7.09	7.65	8.14	8.74	9.31	10.29	13.54	23.42
25	3.65	5.25	6.00	6.51	6.93	7.47	8.03	8.55	9.13	9.73	10.72	14.07	24.11
30	3.79	5.42	6.26	6.79	7.20	7.65	8.21	8.79	9.39	10.59	11.57	15.25	25.50
40	4.12	6.00	6.90	7.52	8.03	8.65	9.24	9.70	10.31	11.46	12.61	15.66	24.14
100	4.57	6.74	7.80	8.51	9.13	9.79	10.35	11.00	11.46	12.22	13.26	18.67	28.06
200	5.02	7.66	8.69	9.50	10.22	10.99	11.69	12.20	12.80	13.41	14.48	18.67	28.89
1000	6.03	9.12	10.72	11.77	12.79	13.57	14.08	14.95	15.11	16.12	17.22	21.99	31.87
JUUVU	7.44	11.45	13.59	14.99	16.32	17.30	17.73	18.81	18.61	19.62	20.94	26.53	39.16
PMP	14.43	21.37	24.92	26.78	28.50	30.97	33.23	35.24	37.45	39.97	42.94	55.33	87.36

MEAN	1.888	2.559	2.807	3.009	3.234	3.478	3.821	4.094	4.550	4.839	5.655	7.564	14.719
CLOCK HR. COR.	1.143	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.772	2.473	2.610	2.451	2.499	2.320	1.466	1.741	1.522	1.770	1.403	.701	.183
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.600	1.700	1.500	1.200	1.200	1.200	1.000	1.000	.600
SKW USED	1.300	1.500	1.600	1.700	1.600	1.700	1.500	1.200	1.200	1.200	1.000	1.000	.600

KURTOSIS	7.103	11.069	12.183	11.066	11.215	10.352	7.353	6.845	5.835	6.743	5.491	3.475	2.039
N	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1963
RECORD MAXIMUM	4.700	8.340	10.120	11.310	12.250	12.250	12.250	12.250	12.250	14.340	14.630	15.540	25.090
NORMALIZED MAX	2.469	3.631	3.957	3.974	4.042	3.937	3.544	3.419	3.031	3.307	3.132	2.639	1.927
CALC. COEF. VAR	.519	.622	.658	.676	.690	.641	.622	.582	.559	.594	.520	.450	.366
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1283	.1739	.1907	.2085	.2197	.2363	.2596	.2764	.3091	.3288	.3781	.5139	1.0000
KP1/A	.2643	.2875	.3238	.3507	.3705	.4011	.4372	.4652	.5088	.5421	.6052	.8039	1.4371
KP2/A	.2847	.3374	.3747	.4225	.4707	.5261	.5459	.5807	.6202	.6610	.7282	.9558	1.6769
KP5/A	.2798	.4076	.4691	.5106	.5574	.5884	.6049	.6247	.6474	.6787	.7859	1.0589	1.7742
R1YU0/A	.3187	.4576	.5576	.5736	.6202	.6652	.7031	.7476	.7784	.8300	.9099	.9578	2.0644
RP1000/A	.4098	.6198	.7285	.7999	.8654	.9221	.9566	.1.0157	.1.0265	.1.0950	1.1897	1.4942	2.3014
RP10000/A	.5055	.7782	.9235	1.0185	1.1086	1.1756	1.2042	1.2776	1.2646	1.3492	1.4255	1.8026	2.6605
PMP/A	.9906	1.4518	1.6927	1.8194	1.9436	2.1042	2.2573	2.3915	2.5441	2.7158	2.9189	3.7591	5.9350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT RWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 45 4240 08 25N 17E P M 40.029 120+103 18

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.59	1.81	1.96	2.07	2.19	2.29	2.53	2.68	2.95	3.20	3.69	5.01	10.57
5	2.31	2.75	3.07	3.22	3.43	3.60	3.91	4.11	4.40	4.79	5.38	7.10	12.83
10	2.80	3.40	3.85	4.04	4.34	4.53	4.87	5.10	5.35	5.83	6.43	8.42	15.71
20	3.25	4.02	4.60	4.84	5.22	5.44	5.78	6.05	6.24	6.80	7.43	9.64	17.40
25	3.39	4.21	4.84	5.10	5.50	5.73	6.07	6.36	6.52	7.10	7.73	10.01	17.91
40	3.65	4.62	5.28	5.63	6.10	6.34	6.67	6.98	7.30	7.73	8.09	10.79	16.94
50	3.93	5.02	5.65	6.04	6.50	6.81	7.16	7.50	7.84	8.23	8.63	11.15	19.42
100	4.25	5.41	6.30	6.67	7.25	7.51	7.83	8.18	8.19	8.92	9.57	12.24	20.84
200	4.67	5.99	7.02	7.44	8.12	8.39	8.68	9.07	9.89	9.80	10.45	13.29	22.20
1000	5.61	7.32	8.66	9.22	10.12	10.42	10.65	11.12	10.80	11.77	12.43	15.25	25.16
10000	6.92	9.19	10.98	11.74	12.96	13.28	13.98	13.30	14.50	15.15	16.89	29.09	
PMP	13.42	17.15	20.12	20.97	22.64	23.77	25.12	26.17	26.76	29.19	31.01	39.38	64.88

MEAN	1.755	2.054	2.267	2.403	2.569	2.669	2.899	3.047	3.251	3.534	4.017	5.384	10.933
CLOCK HR. COR.	1.141	1.770	1.160	1.310	1.850	1.910	1.949	1.971	1.727	1.799	1.860	1.378	1.610
CALCULATED SKEW	1.475	1.224	1.160	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000
SKW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000

KURTOSIS	4.700	4.106	3.923	4.464	7.138	7.678	8.100	8.486	7.234	7.933	8.553	5.792	2.828
N	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52
RECORD YEAR	1963	1963	1963	1930	1956	1956	1956	1956	1956	1956	1956	1956	1963
RECORD MAXIMUM	3.850	4.710	5.280	6.330	6.570	9.190	10.100	10.700	10.770	12.060	13.470	15.320	20.860
NORMALIZED MAX	2.314	2.412	2.386	2.901	3.852	4.014	4.172	4.246	4.055	4.182	4.303	3.802	2.356
CALC. COEF. VAR	.516	.536	.557	.563	.607	.609	.598	.591	.570	.577	.546	.485	.385
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

HEAN/A	.1606	.1879	.2074	.2198	.2349	.2442	.2663	.2787	.2974	.3232	.3674	.4925	1.0000
KP1/A	.2558	.3107	.3521	.3696	.3962	.4145	.4451	.4667	.4896	.5330	.5882	.7064	1.4371
KP2/A	.3108	.3855	.4465	.5034	.5265	.5552	.5813	.6117	.6498	.7160	.7916	.9160	1.6379
KP5/A	.3352	.4495	.5101	.5584	.6056	.6522	.6822	.6656	.6797	.7444	.7929	.9104	1.7762
R1YU0/A	.3890	.4945	.5763	.6097	.6633	.6874	.7184	.7484	.7849	.8189	.8755	.9446	2.0044
RP1000/A	.5131	.6697	.7922	.8431	.9255	.9829	.9738	.9108	.9876	.1.0765	1.1367	1.4319	2.3014
RP10000/A	.6329	.8409	.1.0042	1.0730	1.1856	1.2147	1.2290	1.2791	1.2166	1.3265	1.3855	1.7276	2.6605
RPMP/A	1.2275	1.5689	1.8407	1.9177	2.0710	2.1743	2.2981	2.3941	2.4476	2.6700	2.0363	3.6025	5.9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 670 931 0	STATION NAME HOCA	ELEV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE			
		10	5575	2R	18N	17E	N	M	39°36.8	121°09.2	29			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS		1D	20	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.99	2.66	3.00	3.26	3.55	3.82	4.34	4.83	5.59	6.26	7.29	10.60	21.61	
5	2.90	4.03	4.70	5.06	5.56	6.00	6.71	7.38	8.35	9.36	10.58	15.01	24.22	
10	3.56	4.96	5.89	6.36	7.02	7.55	8.34	9.15	10.15	11.39	12.69	17.81	32.11	
20	4.07	5.69	7.04	7.63	8.46	9.77	9.91	10.86	11.85	13.30	14.66	20.38	35.56	
25	4.25	5.84	7.12	7.62	8.42	9.42	10.11	11.28	12.38	13.49	14.57	21.71	36.70	
40	4.62	6.76	8.17	9.06	9.88	10.57	11.44	12.53	13.47	15.22	16.57	22.81	39.69	
50	4.79	7.05	8.63	9.26	10.34	11.05	11.92	13.05	13.99	15.70	17.11	23.56	39.69	
100	5.32	7.93	9.66	10.48	11.75	12.52	13.42	14.66	15.54	17.45	19.49	25.87	42.60	
200	5.94	6.79	11.73	11.70	13.16	13.99	14.89	16.28	17.06	19.16	20.63	26.10	45.37	
1000	7.07	11.74	13.25	14.50	15.49	17.36	18.25	19.94	20.49	23.02	24.53	33.10	51.43	
10000	8.66	13.49	16.79	16.46	21.01	22.13	22.98	25.04	25.24	26.36	29.90	39.93	59.45	
PMP	16.79	25.16	30.77	32.98	36.69	39.67	43.07	46.95	50.78	57.09	61.22	83.27	137.62	

MEAN	2.196	3.013	3.468	3.780	4.163	4.449	4.953	5.466	6.170	6.911	7.930	11.383	22.346
CLOCK HR. CUR.	1.140	1.707	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.305	.867	.988	.811	.708	1.294	1.226	1.179	.872	.871	.806	.546	.413
REGIONAL SKEW	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS													
N	2.179	3.264	3.533	3.146	2.884	5.545	4.871	4.545	3.503	3.483	3.450	2.879	2.617
RECORD YEAR	1963	1963	1956	1969	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORDED MAX	2,480	5,231	6,620	7,140	8,250	10,690	11,280	12,500	12,680	14,880	16,410	21,890	37,860
NORMALIZED MAX	1.167	2.046	2.253	2.211	2.420	3.415	3.001	2.897	2.709	2.649	2.571	2.472	2.386
CALC. COEF. VAR	.267	.356	.446	.402	.460	.424	.424	.437	.417	.425	.392	.373	.293
REGN. COEF. VAR	.443	.496	.525	.515	.521	.527	.513	.506	.482	.444	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.444	.448	.421	.329
MEAN A													
RP10/A	.0983	1.349	1.552	1.692	1.863	1.991	2.217	2.466	2.761	3.093	3.569	5.094	1.0000
RP25/A	.1566	2.227	2.612	3.162	3.607	4.073	4.454	5.099	5.881	6.509	7.041	10.437	
RP50/A	.1077	1.767	2.314	3.590	4.627	4.977	5.105	5.507	6.211	6.883	7.975	14.379	
RP100/A	.2144	3.161	3.816	4.144	4.692	4.944	5.334	5.842	6.757	7.024	7.659	10.066	17.762
RP1000/A	.2381	3.549	4.312	4.692	5.259	5.605	6.004	6.566	6.953	7.807	8.456	11.976	1.9064
RP10000/A	.3140	4.807	.5927	.6849	.7338	.7769	.8164	.8924	.9170	1.0300	1.0979	1.4811	2.3014
PMP/A	.3973	.6035	.7514	.8262	.9400	.9995	1.0283	1.1225	1.1296	1.2692	1.3382	1.7869	2.6605
PMP/A	.7513	1.1261	1.3772	1.4759	1.6421	1.7729	1.9275	2.1012	2.2725	2.5547	2.7398	3.7263	5.9350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 670 2467 0	STATION NAME DONNER MEM ST PARK	ELEV	SEC	TWP	RNG	LOT	HWM	LATITUDE	LONGITUDE	COUNTY	CODE			
		42	5937	17	17N	16E	E	M	39°32.3	120°23.2	29			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS		1D	20	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.40	4.77	5.51	6.10	6.61	7.11	8.42	9.41	10.89	11.89	13.86	19.54	39.93	
5	4.95	7.24	8.62	9.48	10.34	11.15	13.00	14.45	16.26	17.79	20.11	27.68	52.15	
10	5.98	8.69	10.80	11.90	13.08	14.05	16.17	17.93	19.78	21.65	24.13	31.83	59.33	
20	6.95	10.56	12.91	14.26	15.74	16.88	19.21	21.28	23.08	25.27	27.86	37.57	65.69	
25	7.25	10.80	13.18	14.58	15.97	16.59	18.77	20.27	22.24	24.18	26.22	33.71	67.62	
40	7.89	12.17	14.98	16.59	18.39	19.67	22.17	24.55	26.23	28.73	29.59	42.05	71.54	
50	8.18	12.68	15.64	17.33	19.24	20.56	23.11	25.57	27.23	29.82	32.53	43.45	73.33	
100	9.09	14.24	17.68	19.63	21.08	23.30	26.00	28.76	30.26	33.14	35.92	47.69	78.71	
200	9.97	15.77	19.69	21.99	23.49	26.03	28.85	31.90	33.22	36.39	39.22	51.81	83.83	
1000	11.94	19.26	24.30	27.14	30.51	32.30	35.37	39.07	39.90	43.73	46.64	61.02	95.02	
10000	14.78	24.21	30.80	34.56	37.08	41.18	44.53	49.14	49.15	53.89	56.84	73.62	109.84	
PMP	28.67	45.17	56.46	61.74	66.27	73.71	83.47	91.99	98.89	108.45	116.37	153.51	245.03	

MEAN	3.751	5.409	6.361	7.076	7.744	8.277	9.000	10.709	12.016	13.130	15.074	20.986	41.286
CLOCK HR. CUR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.561	1.381	1.676	1.596	1.575	1.859	1.656	1.430	1.237	1.594	1.694	1.351	1.330
REGIONAL SKEW	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.300	1.500	1.500	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000
KURTOSIS													
N	21	21	21	21	21	21	21	21	21	21	21	20	21
RECORD YEAR	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORDED MAX	6,810	10,670	14,580	15,440	17,850	21,030	22,010	23,920	24,810	29,440	31,920	43,070	60,120
NORMALIZED MAX	1.953	1.965	2.468	2.403	2.608	2.964	2.820	2.739	2.509	2.705	2.694	2.991	1.715
CALC. COEF. VAR	.418	.497	.519	.492	.500	.520	.458	.451	.424	.459	.415	.352	.266
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.448	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.448	.448	.421	.329
MEAN A													
RP10/A	.0908	1.310	1.541	1.714	1.876	2.005	2.325	2.594	2.910	3.180	3.651	.5083	1.0000
RP25/A	.1447	2.266	2.682	3.05	3.403	3.76	4.04	4.74	5.24	5.44	5.74	1.431	
RP50/A	.1982	3.071	3.789	4.39	4.660	4.979	5.597	6.194	6.730	7.93	9.55	1.6379	
RP100/A	.2201	3.448	4.281	4.754	5.264	5.644	6.299	6.965	7.328	8.628	8.700	1.1551	1.9064
RP1000/A	.2903	4.670	.5885	.6575	.7390	.7823	.8564	.9463	.9665	1.0592	1.1295	1.4760	2.3014
RP10000/A	.3581	.5866	.7461	.8371	.9466	.9974	1.0785	1.1903	1.1906	1.3051	1.3768	1.7831	2.6605
PMP/A	.6945	1.0940	1.3675	1.6954	1.6535	1.7855	2.0217	2.2281	2.3952	2.6269	2.8187	3.7183	5.9350

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB GLENROOK NEV 62 6400 In 14W 10E N 39°0.933 119°4.933 52

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.72	2.34	2.67	2.88	3.09	3.33	3.87	4.24	4.91	5.58	6.45	8.92	14.52
5	2.50	3.55	4.17	4.47	4.76	5.23	5.98	6.51	7.33	8.35	9.36	12.63	24.18
10	3.02	4.34	5.23	5.61	6.01	6.59	7.43	8.07	8.92	10.16	11.23	14.98	27.51
20	3.51	5.18	6.25	6.72	7.24	7.92	8.83	9.58	10.49	11.96	12.97	17.15	30.46
25	3.66	5.44	6.57	7.08	7.63	8.34	9.27	10.06	10.87	12.19	13.51	17.81	31.35
40	3.98	5.96	7.25	7.82	8.46	9.22	10.19	11.05	11.83	13.48	13.77	19.19	33.17
50	4.13	6.21	7.57	8.17	8.85	9.64	10.62	11.51	12.27	14.09	15.14	19.83	34.00
100	4.59	7.94	9.55	10.35	11.23	12.25	13.43	14.26	15.04	16.26	17.41	21.36	36.99
200	5.14	9.73	9.93	10.33	11.26	11.77	12.46	13.27	14.26	15.97	17.08	21.25	39.85
1000	6.05	9.45	11.76	12.80	14.03	15.15	16.26	17.59	17.99	20.52	21.70	27.85	44.05
10000	7.47	11.86	14.90	16.30	17.97	19.31	20.47	22.13	22.16	25.29	26.45	33.60	50.93
RMP	14.48	22.13	27.32	29.11	31.39	34.57	38.38	41.42	44.58	50.90	54.16	70.06	113.61
MEAN	2.659	3.078	3.336	3.561	3.892	4.413	4.822	5.147	6.163	7.015	9.578	19.142	
CLOCK HR. CUM.	1.140	1.170	1.040	1.029	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKW	1.229	1.417	1.130	.971	1.124	1.510	1.290	1.312	1.001	1.021	1.000	.827	.881
REGIONAL SKW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	
SKW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	

KURTOSIS	4.982	5.462	4.432	3.714	4.265	5.582	4.824	4.500	3.575	3.505	3.444	3.186	3.028
N	.76	.26	.76	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26
RECORD YR	1967	1956	1956	1956	1967	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.550	5.530	7.000	7.130	7.790	10.000	11.530	11.000	11.450	13.020	14.630	19.570	34.620
NORMALIZED MAX	2.236	2.457	2.659	2.468	2.484	2.961	2.656	2.616	2.391	2.493	2.580	2.413	2.167
CALC. COEF. VAR	.391	.442	.479	.401	.478	.539	.493	.496	.466	.446	.421	.437	.373
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.516	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.516	.482	.484	.448	.421	.329

MEAN/A	.0990	.1395	.1608	.1743	.1861	.2028	.2306	.2519	.2830	.3219	.3665	.5004	1.0000
RPM1/A	.1577	.2289	.2730	.2931	.3138	.3443	.3883	.4218	.4584	.5308	.5866	.7827	.14371
RPM25/A	.1*14	.2840	.3434	.3648	.3987	.4356	.4844	.5254	.5677	.6472	.7056	.9307	.16379
RPM50/A	.2154	.3245	.3955	.4269	.4622	.5036	.5550	.6015	.6412	.7312	.7909	.1.0359	.17762
RPM100/A	.2397	.3346	.4468	.4834	.5262	.5709	.6263	.6763	.7225	.8122	.8712	.1.1230	.1.9064
RPM1000/A	.3162	.4935	.6162	.6866	.7329	.7918	.8496	.9189	.9311	.1.0722	.1.4336	.1.4549	.2.0314
RPM10000/A	.3400	.6197	.7792	.8513	.9389	1.0889	1.0693	1.1559	1.1577	1.3212	1.3819	1.7552	2.0665
RPM/A	.7565	1.1561	1.4271	1.5207	1.6401	1.8059	2.0048	2.1637	2.3290	2.6593	2.8292	3.6902	5.9350

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TYP RNG LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB HEND NEV 121 4397 39°50' 119°78' 62

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.01	1.22	1.28	1.30	1.43	1.49	1.59	1.77	1.94	2.15	2.51	3.42	7.48
5	1.47	1.86	2.00	2.02	2.19	2.34	2.61	2.71	2.89	3.22	3.35	4.24	9.76
10	1.78	2.29	2.51	2.54	2.77	2.94	3.25	3.37	3.52	3.92	4.38	5.76	11.11
20	2.07	2.71	3.00	3.05	3.34	3.53	3.86	4.00	4.10	4.58	5.05	6.57	12.30
25	2.16	2.85	3.16	3.21	3.52	3.72	4.05	4.20	4.29	4.78	5.26	6.83	12.66
40	2.35	3.12	3.49	3.54	3.90	4.12	4.45	4.61	4.67	5.21	5.37	7.35	13.39
50	2.44	3.25	3.64	3.70	4.04	4.30	4.64	4.80	4.84	5.40	5.90	7.60	13.73
100	2.71	3.65	4.11	4.19	4.64	4.88	5.22	5.49	5.58	6.01	6.51	8.34	14.73
200	2.97	4.05	4.58	4.66	5.11	5.45	5.81	5.99	5.91	6.41	7.11	9.06	16.69
300	3.57	4.95	5.65	5.80	6.47	6.76	7.10	7.34	7.92	8.46	10.67	17.79	
1000	4.40	6.21	7.27	7.39	8.29	8.62	8.94	9.23	9.76	9.76	10.31	12.87	20.56
10000	8.54	11.59	13.13	13.19	14.49	15.43	16.76	17.28	17.59	19.62	21.10	26.84	45.87
MEAN	1.117	1.388	1.480	1.511	1.643	1.733	1.927	2.012	2.137	2.380	2.733	3.670	7.728
CLOCK HR. CUM.	1.140	1.170	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.987	1.385	1.739	1.588	1.802	1.920	1.979	1.990	1.994	1.996	1.996	1.996	1.996
REGIONAL SKW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	
SKW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.000	1.000	

KURTOSIS	3.304	6.348	6.744	6.083	6.664	5.758	4.906	5.337	5.228	5.492	5.169	5.738	1.988
N	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
RECORD YR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2.026	3.070	3.760	1.770	4.400	4.200	4.736	5.076	5.250	5.780	5.970	7.830	11.650
NORMALIZED MAX	1.899	2.635	2.991	2.967	3.125	3.000	2.815	2.882	2.907	2.942	2.908	3.020	1.482
CALC. COEF. VAR	.426	.466	.515	.504	.473	.475	.522	.527	.501	.479	.407	.375	.342
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	.1445	.1796	.1915	.1956	.2120	.2242	.2494	.2603	.2765	.3079	.3537	.4748	1.0000
RPM1/A	.2302	.2969	.3251	.3289	.3588	.3806	.4200	.4359	.4552	.5077	.5662	.7428	1.4371
RPM25/A	.2794	.3684	.4090	.4150	.4556	.4817	.5239	.5437	.5547	.6190	.6810	.8832	1.6379
RPM50/A	.3152	.4209	.4791	.5282	.5568	.6004	.6216	.6265	.6993	.7633	.7633	.9830	1.7762
RPM100/A	.3500	.4726	.5231	.5422	.6003	.6312	.6755	.6990	.6963	.7773	.8426	.1.079	1.9064
RPM1000/A	.4617	.6401	.7315	.7502	.8376	.8749	.9190	.9497	.9182	.1.0255	.1.0500	.1.2868	2.3016
RPM10000/A	.5645	.8636	.9273	.9552	1.0703	1.1155	1.1568	1.1945	1.1312	1.2031	1.2337	1.6656	2.0005
RPM/A	1.047	14.994	16.996	17.006	17.074	17.997	18.695	22.261	22.755	25.433	27.433	5.9350	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB G70 7641 0 SAGEMEN CREEK 6337 07 15N 16E 8 M 39.432 120+240 7

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.77	3.90	4.52	4.91	5.44	5.95	6.93	7.54	8.89	9.49	11.56	16.27	33.42
5	4.07	5.91	7.06	7.63	8.57	9.34	10.69	11.73	13.29	14.80	16.77	23.06	43.63
10	4.86	7.30	8.85	9.58	10.42	11.76	13.30	14.56	16.15	18.01	20.13	27.35	49.65
20	5.66	7.63	11.56	11.48	13.04	14.13	15.80	17.26	18.85	21.02	23.24	31.29	54.97
25	5.90	7.05	11.13	12.08	14.75	14.49	16.59	18.13	19.69	21.96	24.21	32.51	56.58
40	6.42	7.93	12.23	13.35	15.24	16.46	18.26	19.92	21.42	23.90	24.68	35.02	59.86
50	6.66	10.35	12.82	13.45	15.49	17.21	19.01	21.06	22.23	24.13	27.43	36.43	65.36
100	7.39	11.82	14.16	14.81	15.48	17.41	19.21	21.49	24.34	27.58	30.96	45.73	85.56
200	8.42	12.47	16.13	17.03	20.29	21.74	25.79	27.13	30.29	32.71	43.16	70.15	
1000	9.75	15.73	19.91	21.64	25.21	27.04	29.10	31.72	32.58	36.39	38.90	50.83	79.51
10000	12.03	19.75	25.24	27.81	32.34	34.47	36.63	39.93	40.14	44.83	47.41	61.32	91.91
PMP	23.34	36.86	45.26	44.68	56.57	61.71	68.67	74.68	80.76	90.23	97.07	127.88	205.04
MEAN	3.052	4.614	5.212	5.694	6.217	6.430	7.897	8.694	9.812	10.924	12.574	17.481	34.567
CLOCK HR. COR.	1.140	1.707	1.640	1.020	1.111	1.101	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.427	1.656	1.728	1.622	1.979	2.219	2.025	1.777	1.216	1.509	1.583	1.268	1.528
REGIONAL SKW	1.370	1.500	1.690	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKW USED	1.370	1.500	1.690	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	5.476	6.320	5.613	5.447	7.560	9.444	7.895	7.023	5.219	5.892	6.195	4.713	2.449
N	21	21	21	21	21	21	21	21	21	21	21	21	22
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.480	9.760	12.610	12.690	17.020	19.420	21.500	22.380	22.760	26.690	29.950	38.080	55.570
NORMALIZED MAX	2.274	2.651	2.586	2.631	3.156	3.342	3.220	3.106	2.806	2.953	3.020	2.744	1.958
CALC. COEF. VAR	.350	.459	.517	.497	.523	.540	.533	.507	.470	.449	.458	.429	.311
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.454	.440	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.454	.440	.421	.329
MEAN/A	.0984	.1278	.1509	.1648	.1658	.2006	.2286	.2517	.2840	.3162	.3540	.5060	1.0000
RPU1/A	.1408	.2112	.2561	.2772	.3133	.3405	.3849	.4241	.4675	.5214	.5828	.7916	1.4371
RPU2/A	.1709	.2621	.3222	.3497	.3780	.4309	.4602	.5249	.5698	.6357	.7008	.9412	1.6379
RPU3/A	.1927	.2995	.3710	.4637	.5614	.6491	.7553	.8610	.9643	.9781	.1.0400	1.7762	
RPU100/A	.2140	.3330	.4192	.4579	.5244	.5957	.6191	.6872	.7522	.7982	.8873	.9499	1.4494
RPU1000/A	.2821	.4554	.5763	.6322	.7319	.8422	.9423	.9188	.9432	.1.0531	1.1260	1.4713	2.3014
RPU10000/A	.3483	.5718	.7305	.8650	.9374	.9979	1.0403	1.1546	1.1619	1.2976	1.3720	1.7571	2.6605
RPU2/A	.4755	1.0669	1.3389	1.4379	1.6375	1.7862	1.9876	2.1617	2.3376	2.6118	2.8098	3.7015	5.9350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT HWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB G70 8758 0 TAHOE CITY 133 6230 07 15N 17E 8 M 39.166 120+140 31

## MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.85	3.93	4.52	4.95	5.41	5.80	6.50	7.19	8.50	9.44	11.07	15.83	30.53
5	4.46	5.45	7.06	7.59	9.11	10.19	11.03	12.70	14.11	16.09	22.42	39.87	
10	5.01	7.06	8.85	9.66	10.68	11.47	12.67	13.69	15.45	17.18	19.27	26.59	45.36
20	5.82	8.70	10.59	11.57	12.87	13.78	15.06	16.24	18.02	20.05	22.25	30.43	50.22
25	6.09	9.13	11.14	12.19	13.57	14.52	15.81	17.05	18.82	20.95	23.16	31.62	51.70
40	6.61	10.01	12.28	13.45	15.05	16.06	17.38	18.73	20.49	22.80	23.63	34.00	54.59
50	6.45	10.43	12.82	14.07	15.74	16.76	18.12	19.52	21.20	23.00	25.58	35.06	
100	7.61	11.77	14.49	15.72	17.83	19.73	20.36	21.96	22.63	25.30	26.68	38.63	60.17
200	8.35	12.67	15.94	17.76	20.62	21.92	22.92	24.56	25.94	28.88	31.32	41.97	64.09
1000	10.94	15.86	18.92	22.03	26.37	27.73	29.92	31.16	34.70	37.24	45.43	72.64	
10000	12.38	19.91	25.25	28.05	31.97	33.63	34.91	37.51	38.38	42.76	45.39	59.64	83.98
PMP	24.02	37.15	46.28	50.10	55.85	60.19	65.44	70.21	77.22	86.07	92.93	124.36	187.33
MEAN	3.142	4.449	5.214	5.742	6.335	7.759	7.526	8.174	9.383	10.420	12.038	17.001	31.564
CLOCK HR. COR.	1.140	1.707	1.640	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.426	1.262	1.362	1.240	1.214	1.229	1.331	1.420	1.309	1.683	1.537	1.006	.798
REGIONAL SKW	1.370	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKW USED	1.370	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	5.951	3.969	4.517	4.880	4.473	5.184	5.394	5.842	5.768	7.265	6.421	4.211	3.217
N	5	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1945	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	7.500	10.243	13.240	15.790	17.230	18.060	20.380	22.270	25.990	31.110	32.420	37.630	56.640
NORMALIZED MAX	2.831	2.538	2.807	3.161	3.244	3.203	3.493	3.556	3.705	3.977	3.708	2.917	2.567
CALC. COEF. VAR	.490	.513	.548	.554	.530	.522	.489	.485	.478	.499	.457	.416	.310
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0995	.1410	.1652	.1819	.2007	.2141	.2384	.2591	.2973	.3301	.3814	.5386	1.0000
RPU1/A	.1586	.2331	.2805	.3059	.3385	.3635	.4105	.4337	.4693	.5443	.6105	.8426	1.4371
RPU2/A	.1925	.2892	.3528	.3860	.4301	.4600	.5009	.5402	.5966	.6637	.7344	.8737	
RPU3/A	.2171	.3305	.4063	.4456	.4986	.5319	.5740	.6184	.6626	.7149	.7830	.8300	1.1151
RPU100/A	.2411	.3710	.4591	.5049	.5867	.6386	.6857	.7345	.7845	.8388	.8888	1.2240	1.9064
RPU1000/A	.3141	.4520	.5250	.5899	.6767	.7336	.7876	.8448	.8972	1.0995	1.1799	1.5661	2.3014
RPU10000/A	.3923	.6309	.7999	.8886	1.0129	1.0653	1.1060	1.1984	1.2161	1.3547	1.4382	1.8894	2.6605
RPU2/A	.7610	1.1771	1.4662	1.5873	1.7693	1.9069	2.0733	2.2245	2.4466	2.7269	2.9444	3.9400	5.9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 141 5995 10 17N 16E P M 39+33.0 120+18.9 29

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.49	3.54	4.11	4.52	4.89	5.34	6.13	6.77	8.00	8.93	10.54	14.89	28.98
5	3.41	5.36	6.43	7.03	7.64	8.37	9.47	10.40	11.95	13.35	15.29	21.09	37.84
10	4.37	6.63	8.06	8.83	9.65	10.55	11.78	12.90	14.54	16.25	18.35	25.02	43.05
20	5.08	7.84	9.63	10.58	11.63	12.67	13.99	15.31	16.95	16.97	21.19	26.63	47.67
25	5.30	8.22	10.13	11.14	12.27	13.35	14.69	16.07	17.72	19.82	22.07	29.75	49.06
40	5.76	9.02	11.18	12.31	13.59	14.73	16.15	17.65	19.28	21.57	22.50	32.04	51.90
50	5.98	9.40	11.47	12.86	13.82	15.43	16.83	18.40	20.01	22.39	24.24	33.11	53.21
100	6.48	10.55	13.19	14.64	15.25	16.69	17.87	19.49	22.24	24.28	31.21	36.34	57.11
200	7.29	11.53	14.69	16.25	18.09	19.54	21.02	22.94	25.62	27.32	30.48	36.83	58.63
1000	8.76	14.29	18.13	20.14	22.55	24.25	25.77	26.11	29.93	32.83	35.46	46.50	68.94
10000	10.80	17.94	22.98	25.64	28.89	30.91	32.43	35.35	36.13	40.45	43.22	56.10	79.70
PMP	20.95	33.47	42.12	45.80	50.46	55.33	60.80	66.18	72.69	81.42	88.49	116.99	177.79

MEAN	2.741	4.009	4.746	5.250	5.725	6.213	6.992	7.704	8.833	9.858	11.462	15.993	29.956
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.254	1.348	1.490	1.235	1.614	1.557	1.633	1.311	1.424	1.276	.822	.546	
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	4.542	4.840	5.670	4.638	5.072	7.968	6.410	6.85	4.95	5.297	4.662	3.320	2.643
N	59	59	59	59	59	59	59	59	59	59	59	59	59
RECORD YEAR	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.210	7.910	11.490	11.760	13.810	17.370	18.270	20.420	23.860	23.860	26.790	34.480	50.180
NORMALIZED MAX	2.450	2.654	3.420	3.104	3.496	4.252	3.818	3.887	3.246	3.238	3.274	2.905	2.098
CALC. COEF. VAR	.368	.367	.416	.400	.404	.422	.422	.425	.419	.439	.408	.398	.322
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0915	.1338	.1584	.1752	.1911	.2074	.2334	.2572	.2949	.3291	.3826	.5339	1.0000
RP10/A	.1458	.2212	.2890	.2947	.3223	.3521	.3931	.3307	.4855	.5424	.6125	.8352	1.4371
RP25/A	.1769	.2745	.3383	.3719	.4095	.4456	.4904	.5364	.5915	.6616	.7368	.9330	1.6379
RP50/A	.1996	.3137	.3896	.4293	.4747	.5151	.5619	.6142	.6681	.7474	.8257	1.1053	1.7762
RP100/A	.2216	.3522	.4402	.4861	.5395	.5839	.6322	.6906	.7425	.8307	.9118	1.2133	1.9064
RP1000/A	.2924	.4776	.6051	.6723	.7528	.8094	.8601	.9352	.9791	1.0960	1.1838	1.5523	2.3014
RP10000/A	.3616	.5969	.7601	.8580	.9640	1.0319	1.0828	1.1868	1.2662	1.3500	1.4826	1.8762	2.6605
PMP/A	.6995	1.1774	1.4060	1.5290	1.6084	1.8471	2.0262	2.2091	2.4266	2.7191	2.9540	3.3054	5.3350

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 080 1485 0 CARSON CITY 4675 17 15N 20E M 39.167 119.767 62

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.58	2.17	2.40	2.48	2.53	2.67	3.01	3.20	3.56	4.05	4.63	6.07	11.49
5	2.30	3.05	3.76	3.85	3.95	5.19	5.21	5.45	6.42	7.17	8.66	10.20	17.07
10	2.47	4.07	4.44	4.43	4.99	5.27	5.78	6.00	6.46	7.17	8.99	11.68	18.90
20	3.23	4.82	5.63	5.79	6.02	6.33	6.86	7.24	7.54	8.60	9.31	11.68	19.46
25	3.38	5.05	5.93	6.10	6.34	6.67	7.21	7.60	7.87	8.99	9.70	12.13	20.58
40	3.67	5.54	6.54	6.74	7.03	7.38	7.92	8.35	8.57	9.77	9.89	13.07	20.58
50	3.81	5.77	6.83	7.04	7.35	7.71	8.25	8.70	8.89	10.15	10.87	13.50	21.10
100	4.23	6.48	7.71	7.93	8.36	8.74	9.29	9.79	9.98	11.28	12.00	14.82	22.65
200	4.56	7.35	8.58	8.89	9.36	9.77	10.34	10.81	11.22	12.00	13.22	15.04	24.12
1000	5.68	7.68	10.00	11.02	12.12	12.64	13.30	13.93	14.88	15.58	18.97	22.34	
10000	6.88	11.02	13.64	14.03	15.94	16.55	17.52	18.72	19.65	20.18	22.88	31.61	
PMP	13.35	20.56	24.63	25.07	26.10	27.66	29.83	31.31	32.30	36.90	38.87	47.72	70.51

MEAN	1.746	2.462	2.775	2.873	2.961	3.106	3.431	3.644	3.925	4.467	5.036	6.523	11.880
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.830	1.255	1.507	1.544	1.365	1.437	1.707	1.687	.901	1.14	.764	.840	.132
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	2.778	3.619	4.476	4.246	4.229	4.661	3.912	3.383	3.000	2.752	2.683	3.232	1.908
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1961	1953	1953	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.120	5.540	7.630	7.820	8.070	8.850	9.250	9.540	9.590	10.560	10.930	14.080	21.380
NORMALIZED MAX	1.435	1.900	2.328	2.347	2.413	2.596	2.539	2.412	2.265	2.144	2.056	2.270	1.771
CALC. COEF. VAR	.549	.658	.751	.734	.715	.712	.673	.671	.637	.636	.569	.510	.451
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1470	.2072	.2336	.2418	.2492	.2614	.2888	.3068	.3303	.3760	.4239	.5491	1.0000
RP10/A	.2341	.3426	.3964	.4067	.4203	.4438	.4863	.5137	.5438	.6200	.6785	.8589	1.4371
RP25/A	.2842	.4252	.4989	.5132	.5340	.5616	.6067	.6399	.6627	.7559	.8161	1.0213	1.6379
RP50/A	.3206	.4858	.5745	.5924	.6191	.6492	.6952	.7326	.7845	.8540	.9147	.1367	1.7762
RP100/A	.3506	.5454	.6491	.6708	.7052	.7360	.7822	.8224	.8745	.9492	1.0100	.1076	.9064
RP1000/A	.4774	.7373	.8923	.927	.9818	.1.027	1.0624	1.1192	1.1970	1.2522	1.3103	1.5095	2.1414
RP10000/A	.5775	.9275	1.1812	1.2187	1.2606	1.3096	1.3776	1.3514	1.4521	1.5983	1.9261	2.4465	
PMP/A	1.1235	1.7305	2.0703	2.1099	2.1969	2.3280	2.5112	2.6352	2.7187	3.1058	3.2722	4.0165	6.9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=URATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE			
85N ORDER SUB														
080 5356 0	MARKEEVILLE	5546	21	1UN	20E	0	M	38°.690	119°.7R3	02				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS														
RETURN PERIOD IN YEARS														
		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.33	3.06	3.43	3.53	3.67	3.98	4.42	4.79	5.34	6.23	7.33	10.14	20.00	
5	3.39	4.64	5.36	5.49	5.74	6.24	6.82	7.30	7.98	9.31	10.64	14.37	26.11	
10	4.10	5.73	6.72	6.89	7.24	7.86	8.48	9.13	9.71	11.34	12.76	17.04	29.71	
20	4.77	6.78	8.04	8.25	8.73	9.44	10.09	10.84	11.33	13.23	14.74	19.50	32.90	
25	4.98	7.11	8.45	8.70	9.20	9.94	10.59	11.37	11.83	13.82	15.35	20.26	33.87	
40	5.41	7.66	9.32	9.61	10.20	11.00	11.94	12.62	12.42	15.03	15.45	21.25	35.92	
50	5.61	7.93	9.73	10.07	11.07	11.91	12.73	13.02	13.37	15.21	16.86	22.86	36.72	
100	5.93	9.12	11.00	11.37	12.13	13.03	13.65	14.64	14.85	17.36	19.00	24.76	39.42	
200	6.84	11.11	12.25	12.69	13.50	14.56	15.14	16.24	16.31	19.06	20.74	26.90	41.98	
1000	8.22	12.35	15.12	15.72	16.92	18.06	18.57	19.89	22.90	24.67	31.68	47.58		
10000	11.14	15.51	19.16	20.02	21.68	23.03	23.37	25.03	24.13	28.22	30.09	38.22	55.01	
PMP	19.68	28.94	35.13	35.76	37.88	41.22	43.81	46.84	48.55	56.79	61.55	79.70	122.71	

MEAN	2,574	3,466	3,958	4,098	4,295	4,629	5,039	5,453	5,899	6,876	7,973	10,895	20,676
CLOCK HR. COR.	1,140	1,070	1,040	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,629	1,843	1,940	1,760	1,804	2,144	2,094	1,987	1,657	1,740	1,711	1,624	
REGIONAL SKEW	1,300	1,500	1,600	1,700	1,800	1,700	1,500	1,200	1,200	1,100	1,000	1,000	
SKEW USED	1,300	1,500	1,600	1,700	1,800	1,700	1,500	1,200	1,200	1,100	1,000	1,000	
KURTOSIS	4,815	6,357	6,624	5,711	6,117	8,073	7,962	7,560	7,676	5,733	6,000	6,472	2,415
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5,000	9,200	11,800	11,900	13,400	16,000	17,300	18,000	18,730	19,510	21,200	26,720	35,370
NORMALIZED MAX	1,938	2,653	2,782	2,698	2,905	3,226	3,273	3,228	3,241	2,930	2,946	3,033	2,016
CALC. COEF. VAR	.446	.624	.712	.706	.730	.762	.743	.713	.671	.627	.563	.479	.353
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1245	.1676	.1914	.1982	.2078	.2239	.2437	.2638	.2853	.3326	.3856	.5217	1,0000
RP10/A	.1983	.2771	.3250	.3334	.3504	.3801	.4104	.4417	.4696	.5463	.6173	.8243	1,4371
RP20/A	.2467	.3439	.4086	.4204	.4452	.4810	.520	.555	.5724	.6466	.745	.875	1,6370
RP50/A	.3125	.3929	.4468	.4465	.4677	.5017	.529	.564	.594	.755	.8322	.9109	1,762
RP100/A	.3015	.4128	.5319	.5498	.6065	.6203	.6500	.6782	.7184	.8395	.9188	.1,1975	1,1964
RP1000/A	.3977	.5975	.7312	.7604	.8184	.8737	.8980	.9262	.9474	1,1075	1,1930	1,5322	2,3014
RP10000/A	.4996	.7502	.9269	.9828	1,0484	1,1139	1,1304	1,2104	1,1671	1,3647	1,4541	1,8485	2,6605
PMP/A	.9516	1,3997	1,6988	1,7295	1,8313	1,9938	2,1189	2,2657	2,3479	2,7469	2,9769	3,8547	5,9350

## PRECIPITATION DEPTH=URATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE			
85N ORDER SUB														
080 5678 26	MINDEN NEVADA	4700	32	13N	20E	0	M	38°.950	119°.7A7	02				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U=DAYS H=HOURS														
RETURN PERIOD IN YEARS														
		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.25	1.56	1.71	1.74	1.79	1.88	2.13	2.26	2.44	2.68	3.17	4.17	8.31	
5	1.82	2.37	2.67	2.71	2.80	2.94	3.30	3.46	3.65	4.01	4.60	5.91	10.85	
10	2.20	2.92	3.35	3.40	3.53	3.71	4.10	4.37	4.44	4.88	5.52	7.01	12.35	
20	2.56	3.46	4.01	4.08	4.26	4.45	4.87	5.10	5.18	5.70	6.37	8.02	13.67	
25	2.67	3.63	4.22	4.29	4.49	4.69	5.11	5.36	5.41	5.95	6.64	8.33	14.07	
40	2.91	3.98	4.65	4.74	4.97	5.19	5.62	5.88	5.89	6.48	6.67	9.86	14.49	
50	3.02	4.15	4.86	4.95	5.20	5.42	5.86	6.11	6.11	6.72	7.44	10.25	15.26	
100	3.35	4.56	5.31	5.61	5.91	6.24	6.69	6.99	7.17	8.21	10.18	15.38		
200	3.68	5.16	6.11	6.26	6.87	7.32	7.65	7.86	8.20	8.97	11.06	17.44		
1000	4.42	6.30	7.16	7.76	8.25	8.87	9.37	9.86	9.86	10.66	13.03	19.77		
PMP	5.45	7.91	9.56	9.88	10.57	10.87	11.29	11.78	11.03	12.15	13.00	15.72	22.86	
MEAN/A	10.57	14.77	17.52	17.65	18.47	19.45	21.17	22.05	22.20	24.45	26.61	32.77	50.99	

MEAN	1,383	1,768	1,974	2,023	2,095	2,184	2,434	2,567	2,697	2,960	3,447	4,480	8,591
CLOCK HR. COR.	1,149	1,070	1,092	1,088	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,689	1,616	1,992	1,988	1,910	2,010	1,950	1,952	1,938	1,938	1,938	1,938	1,938
REGIONAL SKEW	1,300	1,500	1,600	1,700	1,800	1,700	1,500	1,200	1,200	1,100	1,000	1,000	1,000
SKEW USED	1,300	1,500	1,600	1,700	1,800	1,700	1,500	1,200	1,200	1,100	1,000	1,000	1,000
KURTOSIS	5.109	7,266	7,486	7,244	7,653	7,894	6,458	6,546	6,487	4,905	4,358	3,980	2,122
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3,030	4,580	5,840	5,940	6,330	6,580	7,070	7,260	7,340	7,550	7,940	9,500	13,280
NORMALIZED MAX	2,082	2,626	3,017	3,092	3,202	3,273	3,156	3,178	3,175	2,818	2,650	2,539	1,633
CALC. COEF. VAR	.572	.605	.649	.633	.631	.615	.603	.575	.542	.550	.490	.441	.334
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	.1610	.2058	.2298	.2354	.2439	.2542	.2834	.2988	.3139	.3445	.4012	.5215	1,0000
RP10/A	.2564	.3403	.3901	.3959	.4113	.4316	.4772	.5004	.5167	.5680	.6422	.8158	1,4371
RP25/A	.3113	.4222	.4907	.4995	.5225	.5462	.5953	.6233	.6425	.6925	.7472	.8193	1,3293
RP50/A	.3511	.4825	.5581	.5767	.6056	.6371	.6774	.713	.7424	.7848	.8558	.9296	1,7762
RP100/A	.5143	.7336	.8777	.9032	.9607	.9921	1,0441	1,0902	1,0425	1,1473	1,2412	1,5163	2,3014
RP1000/A	.6344	.9212	1,1127	1,1500	1,2306	1,2648	1,3143	1,3713	1,2842	1,4136	1,5129	1,8294	2,6605
RP10000/A	1,2306	1,7185	2,0394	2,0542	2,1496	2,2640	2,4637	2,5570	2,5035	2,8454	3,0974	3,8148	5,9350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 5671 35 11N 19E E M 38°37'6" 119°8'24" 02 CODE

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.15	3.40	3.62	3.89	4.11	4.59	4.93	5.60	6.22	7.30	10.31	19.96
5	3.51	4.78	5.32	5.62	6.09	6.44	7.09	7.57	8.36	9.31	10.59	14.61	26.06
10	4.24	5.59	6.16	6.76	7.27	7.95	8.78	9.46	10.11	11.23	12.49	17.83	32.65
20	5.93	7.99	8.71	9.56	10.27	11.47	12.15	13.87	13.23	13.67	14.83	22.83	32.93
25	5.11	7.23	9.38	9.90	10.27	11.00	11.70	12.40	13.82	15.28	20.60	33.79	
40	5.59	8.04	9.25	9.84	10.84	11.36	12.09	13.49	15.04	15.58	22.19	35.75	
50	5.80	8.38	9.65	10.28	11.34	11.88	12.60	13.49	14.00	15.61	17.13	22.93	36.65
100	6.64	9.41	10.91	11.64	12.88	13.46	14.18	15.00	15.56	17.35	18.91	25.17	39.33
200	7.07	10.42	12.15	12.99	14.42	15.04	15.73	16.71	17.09	19.05	20.65	27.35	41.89
500	8.50	12.41	14.99	16.09	17.96	18.66	19.29	20.47	20.53	22.99	24.45	32.43	44.48
1000	10.49	16.00	19.42	20.49	23.03	23.94	24.86	25.75	25.82	28.21	29.86	34.86	54.89
PMP	20.34	29.84	34.83	36.00	40.23	42.59	45.51	48.19	50.67	56.78	61.27	81.03	122.45

MEAN	2.560	3.574	3.925	4.195	4.564	4.782	5.235	5.610	6.181	6.874	7.937	11.077	20.632
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.955	1.598	1.586	1.223	1.420	1.478	1.465	1.378	1.082	1.161	1.200	1.904	.107
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	7.469	6.529	5.895	4.510	5.649	4.086	6.006	5.600	4.688	4.416	4.524	4.027	2.283
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.196	9.000	10.400	10.400	13.000	14.100	15.000	15.000	16.700	16.700	19.000	24.000	32.510
NORMALIZED MAX	2.477	3.195	3.014	2.615	3.363	3.360	3.511	3.414	3.201	2.915	2.946	2.849	1.197
CALC. COEF. VAR	.490	.501	.543	.522	.553	.560	.560	.536	.501	.503	.475	.420	.317
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	.1289	1.732	1.192	.2033	.2212	.2314	.2557	.2719	.2996	.3331	.3847	.4047	1.0000
AP10/A	.2054	.2894	.2320	.3419	.3739	.3935	.4272	.4556	.4931	.5493	.6158	.6898	.14371
RP25/A	.2494	.3554	.4083	.4315	.4740	.4579	.5330	.5672	.6010	.6698	.7407	.9966	.16379
RP50/A	.2812	.4061	.4679	.4982	.5495	.5755	.6108	.6494	.6788	.7566	.8301	.91144	.17762
RP100/A	.3123	.4559	.5286	.5640	.0245	.6526	.6872	.7301	.7543	.8410	.9166	.12200	.19064
RP1000/A	.4120	.6175	.7267	.7800	.8714	.9045	.9394	.9920	.9949	.1.0195	.1.9017	.5.8010	.2.3014
RP10000/A	.5082	.7753	.9211	.9931	1.1162	1.1532	1.1769	1.2478	1.2555	1.3671	1.4505	.1.8833	.2.6055
PMP/A	.9857	1.4465	1.6884	1.7740	1.9449	2.0642	2.2046	2.3358	2.4655	2.7518	2.9697	3.9275	5.9350

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 13 6420 34 06N 25E M 38°31' 119°21' 26 CODE

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.80	1.94	2.00	2.08	2.23	2.43	2.60	2.93	3.15	3.67	4.93	9.96
5	2.14	2.73	3.03	3.11	3.28	3.56	3.75	3.99	4.37	4.72	5.33	6.99	13.00
10	2.59	3.37	3.80	3.91	4.12	4.41	4.67	4.95	5.31	5.74	6.39	8.28	14.79
20	3.00	3.98	4.35	4.49	4.69	5.04	5.45	5.87	6.20	6.70	7.30	10.38	
25	3.15	4.18	4.70	4.93	5.23	5.58	5.92	6.16	6.48	7.00	7.59	9.85	
40	3.42	4.58	5.28	5.45	5.80	6.17	6.40	6.77	7.05	7.62	7.84	10.61	17.64
50	3.55	4.77	5.51	5.70	6.07	6.45	6.87	7.06	7.32	7.91	8.62	10.99	16.28
100	3.94	5.36	6.22	6.45	6.89	7.31	7.50	7.93	8.13	8.79	9.51	12.04	19.82
200	4.33	5.94	6.93	7.20	7.72	8.16	8.33	8.80	8.93	9.65	10.39	13.08	20.90
500	5.20	7.26	8.55	8.82	9.62	10.13	10.21	10.78	10.72	11.60	12.35	15.40	23.69
1000	6.41	9.11	10.84	11.36	12.32	12.92	12.85	13.56	13.21	14.29	15.05	18.58	27.39
12.44	17.01	19.88	20.29	21.53	23.12	24.09	25.38	26.57	28.76	30.82	36.74	61.10	

MEAN	1.627	2.037	2.239	2.325	2.442	2.596	2.770	2.954	3.229	3.482	3.992	5.296	10.294
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.859	1.754	1.779	1.541	1.327	1.259	1.303	1.229	1.157	1.008	9.374	.074	.885
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	3.002	6.540	6.463	5.694	4.975	4.784	4.766	4.601	4.479	3.990	4.295	5.050	3.476
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
RECORD MAXIMUM	3.040	6.050	7.050	7.050	7.050	7.050	7.340	7.630	7.969	8.190	9.130	13.740	20.480
NORMALIZED MAX	1.793	3.423	3.225	3.200	3.080	2.948	2.842	2.760	2.621	2.621	2.674	3.000	2.670
CALC. COEF. VAR	.647	.623	.568	.534	.501	.481	.461	.442	.423	.423	.445	.480	.411
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329

MEAN/A	1.580	1.978	2.175	2.259	2.373	2.522	2.861	2.870	3.137	3.382	.3978	.5145	1.0000
AP10/A	.2519	.3271	.3693	.3799	.4001	.4282	.4532	.4806	.5163	.5577	.6208	.6946	.1.371
RP25/A	.3056	.4059	.4646	.4793	.5084	.5148	.5654	.5986	.6293	.6900	.7468	.9569	.1.6379
RP50/A	.3447	.4638	.5359	.5533	.5893	.6264	.6478	.6854	.7107	.7682	.8369	.1.0551	.1.7762
RP100/A	.3828	.5207	.6045	.6265	.6698	.7101	.7289	.7706	.7898	.8538	.9240	.1.1692	.1.9064
RP1000/A	.5049	.7052	.8310	.8665	.9346	.9842	.9916	1.0470	1.0416	1.1265	1.1998	1.4959	2.3014
RP10000/A													

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO. BSN ORDER SUB 709 360 1	STATION NAME ATASCADERO SLO 145	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		478	940	23	285	12E	M	35°47'5	120°65'9	40

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.77	3.16	3.52	3.81	3.99	4.07	4.65	5.02	5.69	6.24	7.26	10.34	17.57
5	3.93	4.65	5.25	5.63	5.95	6.19	7.12	7.63	8.64	9.46	10.89	15.49	20.71
10	4.70	5.68	6.43	6.93	7.24	7.60	8.82	9.43	10.77	11.16	13.34	19.05	29.38
20	5.43	6.47	7.34	8.01	8.42	8.95	10.44	11.44	12.45	13.48	15.49	22.48	33.76
40	6.13	7.63	8.64	9.25	9.59	10.23	12.06	12.85	14.27	15.65	17.95	25.81	37.94
50	6.35	7.94	8.95	9.61	9.95	10.64	12.56	13.39	14.85	16.28	18.67	26.87	39.26
100	7.02	8.88	10.05	10.71	11.06	11.88	14.12	15.03	16.62	18.22	20.87	30.12	43.26
200	7.68	9.81	11.08	11.78	12.14	13.10	15.65	16.65	18.36	20.13	23.87	33.23	47.21
1000	9.19	11.93	13.45	14.22	14.88	15.87	19.16	20.82	22.24	24.24	27.40	40.00	52.00
10000	11.28	14.90	16.76	17.62	17.96	18.72	24.09	25.57	28.04	30.94	34.87	50.97	68.37
PMP	21.66	27.57	31.94	34.46	35.11	36.81	45.05	47.72	53.27	58.41	66.52	94.79	134.38
MEAN	3.036	3.544	3.938	4.234	4.404	4.550	5.290	5.695	6.391	7.008	8.142	11.666	19.074
CLOCK HR. COR.	1.150	1.170	1.079	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.558	1.310	1.019	1.020	1.019	1.019	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	6.170	5.201	3.141	2.879	3.297	3.251	5.694	6.438	4.985	5.648	5.041	6.986	4.186
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1969	1965	1989	1967	1967	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.640	7.400	8.000	8.000	9.020	9.910	14.050	16.210	16.390	18.750	19.730	30.020	39.270
NORMALIZED MAX	2.023	2.480	2.084	1.937	2.325	2.305	2.983	3.106	2.858	2.976	2.772	3.162	2.435
CALC. COEF. VAR	.494	.494	.507	.507	.511	.012	.593	.545	.563	.514	.519	.435	
REBN. COEF. VAR	.409	.452	.476	.476	.480	.502	.501	.492	.489	.478	.475	.403	
USED COEF. VAR	.409	.452	.476	.476	.480	.501	.492	.489	.489	.478	.475	.403	
MEAN/A	.1501	.1688	.2065	.2220	.2309	.2388	.2774	.2985	.3351	.3674	.4269	.6116	1.0000
RP10/A	.1653	.1777	.2377	.2147	.4447	.4622	.4910	.5756	.6038	.6037	.7406	.8610	1.2350
RP20/A	.2064	.3560	.4174	.4447	.4447	.4622	.4910	.5756	.6038	.6037	.7406	.8610	1.8143
RP50/A	.3327	.4161	.4713	.5037	.5219	.5579	.6586	.7015	.7784	.8535	.9789	1.4086	2.0584
RP100/A	.3681	.4654	.5266	.5612	.5799	.6231	.7401	.7877	.8711	.9551	1.0943	1.5791	2.2692
RP1000/A	.4817	.6253	.7051	.7456	.7644	.8320	1.0046	1.0673	1.1699	1.2928	1.4664	2.1320	2.9404
RP10000/A	.5913	.7814	.8785	.9235	.9415	1.0337	1.2530	1.3404	1.4662	1.6810	1.8210	2.6712	3.5842
PMP/A	1.1355	1.4454	1.6745	1.8069	1.9311	2.0348	2.3017	2.5018	2.7929	3.0622	3.4874	4.9693	7.0458

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO. BSN ORDER SUB 709 1743 0	STATION NAME CHOLAME HATCH RANCH	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		1975	12	265	16E	M	35°56'8	120°20'0	40	

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.37	1.68	1.79	1.92	1.99	2.11	2.31	2.97	3.14	3.68	5.07	8.00	
5	1.94	2.46	2.68	2.97	3.21	3.54	4.29	4.55	5.52	7.80	12.66		
10	2.41	3.10	3.59	3.90	3.91	4.35	4.89	5.24	5.84	6.77	9.35	15.05	
20	2.68	3.56	3.95	4.08	4.21	4.64	5.20	5.49	6.36	6.87	7.95	11.02	17.30
25	2.80	3.72	4.03	4.27	4.39	4.86	5.45	5.76	6.66	7.20	8.33	11.55	18.00
40	3.03	4.07	4.40	4.65	4.76	5.31	5.99	6.32	7.29	7.89	9.10	12.66	19.44
50	3.14	4.23	4.58	4.83	4.96	5.52	6.24	6.56	7.59	8.20	9.47	13.18	20.12
100	3.48	4.73	5.11	5.39	5.51	6.17	7.01	7.39	8.49	9.17	10.58	14.77	24.19
200	3.60	5.23	5.64	6.05	6.80	7.68	8.76	9.39	10.13	11.81	13.18	18.74	
1000	4.55	6.31	6.89	7.27	7.67	8.24	9.52	10.91	12.41	14.18	16.95	22.74	
10000	5.98	7.95	9.53	8.86	9.95	10.33	11.71	12.87	14.23	15.30	17.68	25.80	35.03
PMP	10.72	14.70	16.29	17.34	17.99	20.14	22.38	23.47	27.22	29.41	33.73	46.49	66.85
MEAN	1.502	1.889	2.005	2.130	2.194	2.361	2.429	2.800	3.265	3.529	4.129	5.722	9.773
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.729	.3337	1.496	1.375	1.330	1.108	1.078	1.040	1.030	1.021	1.021	1.073	1.163
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.056	4.588	4.033	4.437	4.166	3.268	4.747	5.332	5.571	5.023	5.089	7.166	4.685
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1969	1965	1959	1957	1957	1959	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.00	3.00	4.300	4.600	4.670	5.000	6.850	7.430	8.530	8.740	9.790	15.130	20.740
NORMALIZED MAX	1.322	2.164	2.345	2.370	2.291	2.168	2.034	2.951	2.978	2.627	2.603	3.179	2.524
CALC. COEF. VAR	.308	.450	.488	.469	.512	.533	.567	.590	.542	.527	.517	.444	
REBN. COEF. VAR	.409	.452	.474	.475	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.475	.480	.502	.501	.492	.489	.489	.478	.475	.403

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. BSN ORDER SUB TOP 4963 0	STATION NAME LINN RANCH SLO 45	ELEV 470	SEC 870	RNG 07	LOT 265	BWM 12E	LATITUDE N 35.685	LONGITUDE 120.724	COUNTY CODE 40
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.69	2.40	2.67	3.03	3.21	3.31	3.53	3.95	4.49	4.86	5.75	7.69	13.71
5	2.68	3.54	4.29	4.52	4.70	5.04	5.40	6.00	6.79	7.35	8.62	11.53	19.28
10	3.21	4.32	5.25	5.51	5.83	6.20	6.74	7.42	8.34	9.04	10.52	14.18	22.92
20	3.71	5.07	6.47	6.85	7.24	7.74	8.34	9.08	10.63	11.85	13.72	16.53	24.34
25	3.86	5.13	6.46	6.77	7.10	7.43	8.03	8.71	10.30	11.15	13.00	17.93	27.41
40	4.18	5.81	7.06	7.36	7.72	8.33	9.35	10.11	11.27	12.21	14.21	19.21	29.61
50	4.33	6.04	7.34	7.64	8.01	8.67	9.53	10.53	11.72	12.70	14.76	20.00	33.77
100	4.79	6.76	8.20	8.52	8.90	9.65	10.71	11.93	13.12	14.21	16.52	22.42	36.64
200	5.25	7.46	9.05	9.37	9.77	10.67	11.67	13.10	14.49	15.70	18.24	24.61	36.66
1000	6.27	9.08	10.96	11.31	11.74	12.92	14.54	16.02	17.62	19.09	22.14	30.27	43.76
10000	7.71	11.84	13.89	14.01	14.46	15.08	16.27	18.11	20.12	23.82	30.00	37.53	53.35
PMP	14.79	20.98	26.09	27.42	28.07	31.81	34.17	37.03	42.06	43.98	52.66	70.54	148.85

MEAN	2.073	2.697	3.217	3.368	3.545	3.706	4.013	4.482	5.046	5.467	6.445	8.682	14.884
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.075	1.355	.876	1.113	1.043	1.012	1.039	1.449	1.281	1.160	1.303	1.931	1.219
REGIONAL SKW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.300	1.200	1.200
USED SKW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.300	1.200	1.200

KURTOSIS	6.315	4.601	3.073	3.710	3.694	3.514	5.946	5.206	4.748	5.295	6.347	4.214
N	45	38	32	30	29	29	29	29	29	29	29	45
RECORD YEAR	1957	1967	1943	1959	1965	1969	1960	1969	1965	1965	1960	1940
RECORD MAXIMUM	4.77	6.00	6.00	7.70	7.70	8.00	11.00	12.00	13.70	13.70	15.00	23.00
NORMALIZED MAX	2.684	2.716	2.249	2.328	2.600	2.302	3.136	3.289	3.163	3.063	3.099	4.010
CALC. COEF. VAR	.443	.470	.491	.523	.516	.505	.546	.534	.543	.546	.458	.474
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.403

MEAN/A	.1303	.1812	.2161	.2263	.2382	.2490	.2697	.3011	.3300	.3373	.4330	1.000
RP10/A	.2158	2.004 <td>.3521</td> <td>.3705</td> <td>.3914</td> <td>.4153</td> <td>.4498</td> <td>.4986</td> <td>.5507</td> <td>.6074</td> <td>.7097</td> <td>.9528</td>	.3521	.3705	.3914	.4153	.4498	.4986	.5507	.6074	.7097	.9528
RP25/A	.2594	.3569	.4341	.4534	.4760	.5125	.5596	.6190	.6918	.7494	.8735	1.1779
RP50/A	.2912	.4058	.4933	.5159	.5384	.5823	.6403	.7075	.7676	.8532	.9931	1.3424
RP100/A	.3222	.4539	.5513	.5722	.5962	.6503	.7196	.7945	.8614	.9546	1.1102	1.5061
RP1000/A	.4215	.6098	.7361	.7601	.7868	.8683	.9767	1.0765	1.1838	1.2824	1.4767	2.0333
RP10000/A	.5175	.7621	.9196	.9415	.9712	1.0793	1.2279	1.3519	1.4775	1.6005	.8584	2.5486
RP4/A	.9037	1.4969	1.7592	1.8620	1.9530	2.1253	2.2621	2.5234	3.0013	3.5574	4.7396	7.0450

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB TOP 6730 0	STATION NAME PASO ROBLES	ELEV 700	SEC 33	RNG 265	LOT 12E	BWM N 35.633	LONGITUDE 120.603	COUNTY CODE 40
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.51	2.88	3.07	3.28	3.45	3.73	4.10	4.76	5.17	6.06	8.40	13.99
5	2.76	3.69	4.30	4.58	4.89	5.25	5.71	6.23	7.19	7.61	9.00	12.59	19.67
10	3.33	4.51	5.27	5.59	5.95	6.45	7.07	7.70	8.84	9.61	11.12	15.49	23.39
20	4.01	5.35	6.20	6.64	7.00	7.61	8.36	9.11	10.42	11.32	12.88	17.67	26.46
40	4.34	6.05	7.08	7.46	7.89	8.66	9.66	10.48	11.94	12.97	14.97	20.90	30.21
50	4.50	6.30	7.36	7.75	8.19	9.03	10.07	10.92	12.42	13.50	15.57	21.64	31.26
100	4.96	7.05	8.22	8.63	9.10	10.00	11.31	12.26	13.90	15.11	17.40	24.46	34.46
200	5.45	7.79	9.07	9.50	9.90	11.11	12.54	13.59	15.38	16.69	19.27	27.09	37.59
1000	6.51	9.47	11.01	11.47	11.95	13.46	15.35	16.82	18.67	20.29	23.32	33.05	44.66
10000	7.91	11.84	13.72	14.21	14.77	15.72	17.95	20.97	25.32	29.07	41.43	54.44	
PMP	15.35	21.50	26.15	27.79	29.69	32.92	36.10	39.45	44.47	46.43	55.46	77.04	107.00

MEAN	2.151	2.615	3.224	3.414	3.621	3.859	4.239	4.648	5.348	6.811	6.708	9.462	15.168
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.383	1.271	1.050	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.010	1.248	.844
REGIONAL SKW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.300	1.200	1.200
USED SKW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.300	1.200	1.200

KURTOSIS	5.764	4.863	3.581	3.543	3.167	2.919	4.250	4.222	3.518	3.072	3.362	4.504	3.034
N	77	77	77	77	77	77	77	77	77	77	77	77	78
RECORD YEAR	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.217	7.110	7.00	8.00	8.00	8.00	11.00	12.00	12.00	13.00	13.00	20.00	31.00
NORMALIZED MAX	3.217	3.283	2.632	2.831	2.916	2.886	3.466	3.457	3.213	3.200	3.200	3.254	3.234
CALC. COEF. VAR	.446	.464	.484	.483	.476	.495	.465	.463	.474	.466	.473	.472	.401
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	.1417	.1853	.2123	.2248	.2384	.2541	.2791	.3060	.3521	.3889	.4470	.8243	1.0000
RP10/A	.1912	.2970	.3466	.3881	.359	.4249	.4656	.5068	.5922	.6327	.7325	.1.1917	.9402
RP25/A	.2636	.3685	.4264	.4604	.4774	.5830	.5702	.6292	.7184	.7866	.8105	.1.2807	.1.6413
RP50/A	.2961	.4151	.4845	.5102	.5890	.5943	.6027	.7191	.8179	.8888	.1.0250	.1.4378	.2.0564
RP100/A	.3277	.4643	.6014	.5684	.5895	.6837	.7468	.8073	.9153	.9948	.1.1459	.1.6119	.2.2662
RP1000/A	.4207	.6236	.7249	.7851	.7895	.8882	.1.0109	.1.0941	.1.2293	.1.3359	.1.5305	.2.1763	.2.8604
RP500/A	.5263	.7795	.9032	.9583	.9723	1.1011	1.209	1.3740	1.5544	1.6872	1.8140	.2.2787	.3.5842
RP4/A	1.0167	1.4419	1.7216	1.8560	1.9552	2.1675	2.5846	2.9347	3.1889	3.8518	5.0724	.7.0450	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTN=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
709 7930 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
SANTA MARGARITA 25W	260	1200	36	29S	12E	M	35°36'7	120°63'3	40

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	3.93	4.77	5.52	6.03	6.30	6.55	7.19	7.84	9.07	9.95	11.91	16.79	29.22
5	5.56	7.02	8.25	8.99	9.40	10.03	11.00	11.92	13.70	15.04	17.85	25.16	41.46
10	6.65	8.57	10.10	10.97	11.42	12.32	13.63	14.73	16.85	18.49	21.88	36.95	48.85
20	7.68	10.06	11.88	12.83	13.32	14.49	16.16	17.43	19.85	21.78	25.72	36.50	56.13
25	8.00	10.54	12.41	13.42	13.93	15.16	16.93	18.29	20.79	22.82	26.92	36.26	58.40
40	8.67	11.52	13.56	14.63	15.14	16.57	18.82	20.66	22.75	24.97	29.43	41.92	63.09
50	8.99	11.98	14.11	15.20	15.71	17.23	19.40	20.70	23.67	25.98	30.61	43.64	65.28
100	9.98	14.40	17.06	17.46	17.80	21.81	23.74	24.87	29.07	31.61	34.81	71.93	71.97
200	10.88	14.80	17.39	18.64	19.17	21.22	24.16	26.80	29.26	32.12	37.77	54.13	76.51
1000	11.97	16.00	20.11	22.50	23.69	25.90	30.80	33.98	37.02	45.86	66.05	95.26	113.66
10000	13.07	22.90	26.29	28.27	28.35	31.92	37.21	38.93	44.40	48.74	57.16	82.78	153.44
PMP	30.67	41.61	50.12	54.92	57.05	62.84	69.58	74.94	84.93	93.22	109.05	153.94	223.44

MEAN	4.298	5.348	6.180	6.698	6.951	7.367	8.172	8.895	10.190	11.184	13.348	18.947	31.716
CLOCK HR. COR.	1.160	1.040	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.300	1.300	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200

KURTOSIS	3.500	4.495	2.555	2.810	3.210	3.690	4.526	4.121	3.449	3.622	3.022	3.401	2.686
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	1957	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1961
NORMALIZED MAX	1.982	2.769	2.082	2.367	2.658	2.546	2.969	2.853	2.691	2.637	2.549	2.715	2.101
CALC. COEF. VAR	.343	.401	.420	.413	.425	.400	.401	.396	.385	.376	.361	.382	.357
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.469	.470	.475	.403	
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.469	.478	.475	.403	

MEAN/A	1.155	1.686	1.949	2.112	2.192	2.323	2.577	2.804	3.213	3.326	4.209	.5974	i.0000
RP10/A	.2097	.2703	.3183	.3458	.3602	.3884	.4298	.5644	.5313	.5831	.6898	.9757	i.5402
RP25/A	.2524	.3322	.3914	.4231	.4848	.4781	.5347	.5765	.6556	.7195	.8489	1.2063	1.6143
RP50/A	.2833	.3777	.4447	.4792	.4955	.5432	.6118	.6597	.7463	.8192	.9651	1.3758	2.0384
RP100/A	.3135	.4225	.4970	.5339	.5503	.6067	.6876	.7400	.8352	.9162	1.0480	1.4242	2.2092
RP1000/A	.4102	.5676	.6654	.7093	.7259	.8101	.9332	1.0000	1.1217	1.2522	1.4580	2.0625	2.9044
RP10000/A	.5035	.7053	.8221	.9768	.9738	1.0000	1.2901	1.3291	1.5001	1.5367	1.8022	2.4000	3.5842
PMP/A	.9669	1.1210	1.5003	1.7189	1.7772	1.9814	2.1939	2.3502	2.6779	2.9391	3.4384	4.8539	7.0450

STATION NO.  
85N ORDER SUB  
709 7931 1

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
SANTA MARGARITA 6 P	261	995	20	29K	13E	M	35°44'00"	120°60'00"	40

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	3.52	4.47	4.99	5.38	5.66	5.81	6.09	6.84	7.60	8.39	9.53	13.23	22.13
5	4.99	6.50	7.46	8.03	8.48	9.32	10.39	11.78	12.69	14.45	19.82	31.11	
10	5.87	6.84	9.13	9.89	10.50	10.81	11.54	12.84	13.49	15.00	17.73	24.38	31.99
20	6.89	9.43	10.73	11.46	12.02	12.77	13.69	15.20	16.37	18.04	20.76	28.76	42.51
25	7.18	9.86	11.23	11.99	12.53	13.37	14.36	15.94	17.88	19.25	21.82	30.14	44.23
40	7.78	10.40	12.27	13.07	13.66	14.61	15.77	17.49	19.56	21.06	23.85	33.02	47.87
50	8.06	11.23	12.76	13.54	14.18	15.19	16.43	18.22	20.35	21.91	24.81	34.38	49.44
100	8.92	12.58	14.26	15.13	15.75	16.97	18.47	20.45	22.78	24.52	27.73	39.76	54.50
200	9.76	15.71	18.51	16.83	17.29	18.73	20.48	22.77	25.16	27.07	30.46	45.35	63.76
1000	14.07	17.87	20.99	22.49	23.89	26.15	31.51	35.99	39.24	37.16	32.04	70.63	
10000	15.33	21.09	23.79	24.89	25.57	26.15	31.51	34.81	36.18	41.11	46.32	66.22	86.09
PMP	27.51	39.01	45.35	48.69	51.42	55.42	59.93	64.96	73.02	78.63	88.38	121.28	169.21

MEAN	3.856	5.014	5.591	5.982	6.270	6.447	6.921	7.754	8.761	9.433	10.818	14.927	24.019
CLOCK HR. COR.	1.160	1.070	1.045	1.020	1.012	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.307	1.307	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200
SKW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.500	1.200	1.200

KURTOSIS	5.549	4.697	5.303	6.777	5.402	4.667	3.896	3.118	2.537	2.405	3.409	3.026	3.940
N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD MAXIMUM	1951	1991	1961	1901	1901	1901	1901	1916	1901	1916	1911	1911	1916
NORMALIZED MAX	8.430	11.930	14.480	17.660	17.660	17.660	17.660	17.660	18.120	18.280	25.080	33.640	53.760
CALC. COEF. VAR	2.675	2.920	3.206	3.799	3.599	3.373	3.203	2.640	2.265	1.980	2.685	2.742	2.964
REGN. COEF. VAR	.443	.472	.484	.515	.506	.509	.484	.484	.472	.474	.490	.457	.418
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	1.1605	.2087	.2328	.2491	.2611	.2705	.2881	.3228	.3647	.3927	.4504	.6215	i.0000
RP10/A	.2484	.3345	.3963	.4070	.4270	.4023	.4606	.5346	.6032	.6494	.7381	1.0251	.5402
RP25/A	.2969	.4112	.4676	.4799	.5227	.5568	.5979	.6637	.7442	.8014	.9064	1.2550	.5813
RP50/A	.3356	.4676	.5311	.5652	.5902	.6326	.6842	.7585	.8473	.9123	1.0326	1.4313	.2084
RP100/A	.3713	.5230	.5937	.6297	.6557	.7065	.7605	.8616	.9408	.10210	1.1546	1.4242	.2242
RP1000/A	.4859	.7625	.7950	.8365	.8644	.9343	1.0436	1.1518	1.2735	1.3772	1.5664	2.1664	.2424
RP10000/A	.5964	.8986	.9058	1.0364	1.0646	1.1721	1.3						

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T09 7933 0 SANTA MARGARITA BSTR 1100 25 295 12E N 35.367 120.633 40

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.90	4.81	5.50	5.96	6.27	6.60	7.22	7.91	8.95	9.66	11.22	15.55	26.62
5	5.52	7.06	8.21	8.90	9.34	10.04	11.05	12.01	13.53	14.59	16.82	23.30	37.43
10	6.60	8.64	10.05	10.65	11.30	12.34	13.69	14.85	16.63	17.93	20.62	28.66	44.50
20	7.62	10.13	11.81	12.70	13.25	14.51	15.23	17.57	19.39	21.14	24.24	33.63	51.14
50	7.94	10.63	12.30	13.18	13.81	14.88	15.80	17.39	19.21	20.23	22.43	27.74	37.20
100	8.60	11.62	13.51	14.48	15.08	16.80	18.71	20.23	22.48	24.23	27.74	38.61	57.48
200	8.91	12.08	14.04	15.04	15.63	17.25	19.49	21.07	23.36	25.21	28.85	40.41	59.49
400	9.86	13.51	15.69	16.76	17.36	19.27	21.91	23.66	26.15	28.21	32.25	45.30	65.37
1000	10.79	14.93	17.32	18.44	19.08	21.25	24.29	26.22	28.06	31.17	35.60	50.13	71.52
10000	12.90	18.15	21.01	22.26	22.89	25.73	29.74	32.08	35.12	37.89	43.22	61.13	94.96
PMP	15.84	22.89	26.18	27.58	28.19	31.97	37.38	40.26	43.83	47.29	53.87	76.65	103.57
	30.41	41.97	49.90	53.95	56.69	62.94	69.91	75.15	83.03	90.45	102.78	142.55	203.57

MEAN	4,262	5,394	6,153	6,626	6,913	7,378	8,210	9,867	10,058	12,580	17,545	28,895
CLOCK MR. COR.	1,140	1,570	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.964	.820	.818	.853	.917	1,459	2,089	1,891	1,601	1,646	1,355	1,272
REGIONAL SKEW	1,360	1,560	1,460	1,300	1,200	1,360	1,560	1,400	1,400	1,400	1,360	1,200
SKEW USED	1,360	1,560	1,460	1,300	1,200	1,300	1,560	1,400	1,400	1,400	1,360	1,200

KURTOSIS	4,362	3,825	3,533	3,625	4,240	5,723	9,229	8,141	6,924	7,108	6,274	6,307	4,033
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1967	1968	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7,900	12,420	13,750	15,200	17,350	23,300	24,390	26,000	28,140	30,820	43,850	60,500	60,500
NORMALIZED MAX	2,242	2,313	2,371	2,37	2,088	3,010	3,870	3,200	3,000	3,400	3,000	2,707	2,707
CALC. COEF. VAR	.377	.405	.437	.441	.446	.452	.474	.482	.487	.443	.422	.435	.464
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.493
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.493

MEAN/A	.1745	.1867	.2130	.2294	.2303	.2553	.2841	.3163	.3481	.3736	.4334	.6072	1.0000
RPI10/A	.5283	.2092	.3479	.3788	.3926	.4270	.4799	.5129	.5766	.5211	.35	.9917	.10000
RP25/A	.2474	.3677	.4277	.4596	.4799	.5026	.5586	.6380	.7102	.7663	.8781	.1,2201	.1,2201
RP50/A	.3084	.4161	.4881	.5205	.5409	.5572	.5764	.7292	.8168	.8725	.9984	.1,3864	.2,0564
RP100/A	.3412	.4677	.5342	.5600	.6009	.6669	.7582	.8168	.9049	.9764	.1,1161	.1,5877	.2,2892
RP1000/A	.4464	.6283	.7272	.7705	.7922	.8906	1,0291	1,1094	1,2153	1,3113	1,4955	2,1166	2,9040
RP10000/A	.5480	.7852	.9061	.9544	.9757	1,0165	1,2938	1,3933	1,5168	1,6367	1,8843	2,6529	3,5642
RP/A	1,0524	1,4324	1,7271	1,6672	1,9619	2,1781	2,4194	2,8006	2,9012	3,1305	3,5569	4,9334	7,0450

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T09 8849 0 TEMPLETON 270 773 29 275 12E M 35.546 120.700 40

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.98	3.57	4.01	4.17	4.71	4.92	5.36	5.91	6.98	7.63	9.00	12.16	18.49
5	4.21	5.26	5.99	6.23	7.03	7.48	8.20	8.97	10.55	11.53	13.48	18.25	26.00
10	5.04	6.43	7.33	7.59	8.55	9.19	10.16	11.09	12.97	14.18	16.53	22.45	30.92
20	5.88	7.54	8.60	9.01	10.59	11.97	13.20	14.26	15.72	17.00	19.32	23.82	32.32
50	6.65	7.70	8.61	9.29	10.89	12.10	13.43	14.82	16.12	17.60	19.34	22.75	36.36
100	6.37	8.63	9.95	10.13	11.33	12.36	13.88	15.10	17.51	19.15	22.00	30.39	49.99
200	6.81	8.99	10.24	10.53	11.76	12.85	14.47	15.73	16.22	19.92	23.13	31.65	41.32
400	7.53	10.04	11.44	11.73	13.00	14.35	16.26	17.67	20.39	22.29	25.85	35.46	45.55
1000	8.24	11.09	12.63	12.91	14.34	15.63	18.03	19.58	22.53	24.63	28.54	39.27	49.69
10000	12.10	16.88	19.09	19.30	21.21	23.81	27.74	30.06	34.16	37.37	43.19	60.05	71.95
PMP	23.23	31.19	36.38	37.75	42.64	48.08	51.88	56.11	65.37	71.48	82.40	111.68	141.42

MEAN	3,256	4,009	4,486	4,638	5,201	5,496	6,092	6,696	7,843	8,576	10,085	13,743	20,074
CLOCK MR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,014	.740	.775	.672	.903	.097	.432	.670	.128	.047	.0047	.0141	.389
REGIONAL SKEW	1,360	1,560	1,460	1,300	1,200	1,300	1,560	1,400	1,400	1,400	1,400	1,360	1,200
SKEW USED	1,360	1,560	1,460	1,300	1,200	1,300	1,560	1,400	1,400	1,400	1,400	1,360	1,200

KURTOSIS	4,076	4,262	3,910	3,703	3,000	2,895	3,533	3,913	2,907	2,651	2,447	2,934	2,301
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1914	1914	1914	1914	1909	1914	1914	1914	1914	1914	1914	1914	1914
RECORD MAXIMUM	6,000	7,000	6,400	8,400	8,000	8,000	11,320	13,260	14,200	14,200	18,500	26,800	31,400
NORMALIZED MAX	1,982	2,254	2,147	2,620	1,857	1,856	2,322	2,924	2,111	1,905	1,894	2,286	1,761
CALC. COEF. VAR	.425	.380	.392	.371	.339	.342	.375	.395	.369	.365	.375	.405	.339
REGN. COEF. VAR	.409	.452	.474	.476	.460	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.460	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	.1822	.1997	.2255	.2511	.2591	.2708	.3055	.3336	.3907	.4272	.5,024	.6,045	1,0000
RPI10/A	.2311	.2581	.2873	.3023	.4576	.5,002	.5524	.6,061	.7,624	.7,624	.8,234	.1,2402	.2,0402
RP25/A	.3021	.3925	.4489	.4629	.5187	.5,035	.6,298	.6,657	.7,972	.8,717	1,0134	.1,3025	.1,6413
RP50/A	.3391	.4674	.5101	.5243	.5857	.6,003	.7,206	.7,707	.9,077	.9,924	1,1262	.1,5760	.2,0564
RP100/A	.3752	.5004	.5700	.5842	.6,057	.7,151	.8,099	.8,601	.9,058	.9,760	1,1010	.1,2980	.1,7677
RP1000/A	.4910	.6722	.7632	.7761	.8,078	.9,549	1,0,993	1,1,924	1,2,3842	1,4,9191	1,7,260	2,3,0866	.2,9404
RP10													

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.: 59 STATION NAME POINT PIEDRAS BLANCAS ELEV 59 SEC TWP RND LOT BMM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 710 7024 0 35.667 121.263 40

MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.55	3.05	3.51	3.83	4.26	4.37	4.84	5.09	5.98	6.53	7.96	10.90	19.41
5	3.61	4.48	5.24	5.72	6.35	6.65	7.41	7.73	9.03	9.68	11.92	16.34	27.28
10	4.32	5.48	6.41	6.98	7.72	8.17	9.18	9.55	11.11	12.14	14.61	20.10	32.44
20	4.98	6.43	7.53	8.16	9.00	9.66	10.88	11.30	13.99	14.20	17.18	23.71	37.27
50	5.79	6.87	7.91	8.51	9.51	10.21	11.50	12.30	13.11	14.20	17.31	23.55	37.58
40	5.19	6.38	8.61	9.31	10.23	10.98	12.54	13.01	15.00	16.40	19.66	27.23	41.90
50	5.83	7.66	8.96	9.67	10.62	11.42	13.07	13.55	15.61	17.06	20.45	28.34	43.36
100	6.45	8.56	10.01	10.77	11.80	12.76	14.68	15.22	17.46	19.09	22.86	31.77	47.80
200	7.06	9.46	11.05	11.86	12.95	14.06	16.28	16.86	19.29	21.09	25.23	35.16	52.14
1000	8.44	11.50	13.40	14.31	15.55	17.03	19.93	20.62	23.45	25.64	30.63	42.90	61.93
10000	10.36	14.37	16.70	17.73	19.16	21.19	25.06	25.89	29.27	32.00	38.16	53.77	75.49
PMP	19.90	26.59	31.83	34.68	38.52	41.65	46.88	48.33	55.99	61.21	72.84	99.99	148.39
MEAN	2,789	3,418	3,925	4,261	4,698	4,883	5,503	5,767	6,718	7,344	8,916	12,306	21,063
CLOCK MR. COR.	1,440	1,670	1,840	1,977	2,020	2,010	2,000	2,000	2,000	2,000	2,000	2,000	2,000
CALCULATED SKEW	1,753	1,765	1,460	1,377	995	896	1,947	1,900	1,840	1,460	1,974	1,639	1,211
REGIONAL SKEW	1,300	1,500	1,400	1,300	1,200	1,300	1,500	1,400	1,400	1,400	1,400	1,200	1,200
SKEW USED	1,300	1,500	1,400	1,300	1,200	1,300	1,500	1,400	1,400	1,400	1,400	1,200	1,200
KURTOSIS	7,877	7,296	6,301	5,601	4,222	4,335	8,930	8,560	7,996	6,320	4,492	7,295	4,657
N	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.21
RECORD MAXIMUM	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	5,280	7,740	9,300	10,050	10,050	10,470	14,300	14,300	17,940	18,300	20,100	30,400	45,720
CALC. COEF. VAR	.353	.444	.474	.473	.427	.425	.466	.468	.501	.402	.455	.458	.420
REDN. COEF. VAR	.409	.452	.474	.476	.480	.501	.492	.489	.489	.478	.475	.403	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.492	.489	.489	.478	.475	.403	.403
MEAN/A	.1324	.1623	.1863	.2023	.2230	.2318	.2613	.2738	.3189	.3467	.4233	.5843	1.0000
RP1/A	.2024	.2601	.3132	.3352	.3660	.4072	.4491	.4801	.5192	.5769	.6593	.9543	.9543
RP2/A	.2764	.3190	.3742	.4045	.4465	.4772	.5241	.5329	.5658	.7114	.8538	1.1798	1.8413
RP5/A	.2769	.3635	.4253	.4591	.5042	.5422	.6203	.6434	.7409	.8999	.9707	1.4746	2.0586
RP10/A	.3063	.4065	.4752	.5115	.5602	.6056	.6972	.7225	.8291	.9064	1.0852	1.5085	2.2692
RP100/A	.4008	.5461	.6363	.6795	.7385	.8066	.9463	.9789	1.1136	1.2173	1.4542	2.0367	2.9404
RP1000/A	.4920	.6825	.7928	.8416	.9996	1.0046	1.1896	1.2293	1.3899	1.5194	1.8127	2.5527	3.5042
PMP/A	.9447	1.2624	1.5111	1.6666	1.8289	1.9777	2.2246	2.2945	2.6583	2.9660	3.4584	7.0450	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.: 491 STATION NAME SIMMLER MAINT STA ELEV 491 SEC 2020 01 305 10E M 35.367 120.000 COUNTY CODE  
BSN ORDER SUB 711 8299 4 40

MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.27	1.46	1.62	1.69	1.78	1.89	1.97	2.15	2.40	2.62	3.03	4.15	7.41
5	1.80	2.15	2.43	2.53	2.66	2.88	3.02	3.63	3.96	4.54	5.57	7.64	12.39
10	2.16	2.63	2.97	3.08	3.23	3.54	3.74	4.04	4.46	4.88	5.57	7.64	14.24
25	2.44	3.00	3.49	3.91	4.21	4.54	4.84	5.25	5.65	6.05	7.04	9.04	16.24
50	2.60	3.33	3.87	4.27	4.64	4.94	5.25	5.60	6.00	6.45	7.45	9.45	18.41
40	2.81	3.54	3.99	4.11	4.28	4.76	5.11	5.61	6.02	6.58	7.49	10.35	16.00
30	2.91	3.60	4.15	4.27	4.44	4.95	5.33	5.74	6.26	6.85	7.70	10.76	16.56
100	3.22	4.11	4.64	4.76	4.94	5.53	5.99	6.44	7.01	7.66	8.71	12.08	16.25
200	3.53	4.54	5.12	5.24	5.42	6.10	6.64	7.14	7.74	8.47	9.61	13.37	19.91
1000	4.22	5.53	6.21	6.32	6.51	7.36	8.13	8.73	9.42	10.29	11.61	16.31	23.85
10000	5.18	6.91	7.74	7.83	8.02	9.17	10.21	10.97	11.75	12.65	14.55	20.46	28.83
PMP	9.94	12.77	14.75	15.32	16.12	18.06	19.10	20.47	22.48	24.57	27.76	36.01	56.67
MEAN	1.394	1.642	1.819	1.882	1.966	2.117	2.243	2.443	2.697	2.948	3.397	4.679	8.044
CLOCK MR. COR.	1,140	1,670	1,949	1,920	1,910	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900
CALCULATED SKEW	1,757	1,390	1,617	1,330	1,308	1,377	1,713	1,468	1,915	1,895	1,500	1,500	1,200
REGIONAL SKEW	1,300	1,500	1,400	1,300	1,200	1,300	1,500	1,400	1,400	1,400	1,400	1,400	1,200
SKEW USED	1,300	1,500	1,400	1,300	1,200	1,300	1,500	1,400	1,400	1,400	1,400	1,400	1,200
KURTOSIS	3,919	5,374	5,424	4,591	4,343	5,662	5,864	5,590	5,051	6,293	6,449	8,102	5,207
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	1969	1969	1969	1967	1962	1969	1969	1969	1969	1969	1969	1969	1958
NORMALIZED MAX	2,610	3,368	3,870	3,897	4,370	5,938	6,080	6,274	6,490	8,510	9,400	12,000	18,200
CALC. COEF. VAR	1,911	2,026	2,036	2,254	2,056	2,899	3,011	2,965	2,732	3,120	3,125	3,372	2,793
REDN. COEF. VAR	.397	.442	.483	.474	.468	.502	.560	.559	.533	.535	.465	.574	.444
USED COEF. VAR	.409	.452	.474	.476	.476	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	.1733	.2041	.2261	.2040	.2444	.2532	.2769	.3037	.3252	.3668	.4224	.5817	1.0000
RP1/A	.2601	.3279	.3749	.3832	.4065	.4400	.4425	.5268	.5544	.6222	.6950	1.5402	
RP2/A	.3221	.4101	.4541	.4668	.4903	.5181	.5760	.5222	.6841	.7476	.8516	1.1746	1.8413
RP5/A	.3822	.4573	.5183	.5100	.5524	.6156	.6622	.7135	.7768	.8515	.9486	1.3396	2.0564
RP100/A	.5244	.6870	.7721	.7800	.8092	.9180	1.0101	1.0855	1.1705	1.2798	1.4511	2.0276	2.9404
RP1000/A	.6430	.8586	.9620	.9738	.9986	1.1405	1.2699	1.3633	1.4609	1.5973	1.8087	2.5413	3.5842
PMP/A	1.2362	1.5882	1.6337	1.9048	2.0039	2.2452	2.3748	2.5446	2.7943	3.0551	3.4508	4.7260	7.0450

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB T11 9813 10 WREDEN RANCH SLO 121 522 2080 11 29S 17E M 35°41' 120°10' 40

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.23	1.47	1.85	1.83	1.91	2.02	2.17	2.40	2.70	2.96	3.40	4.62	8.36
5	1.74	2.16	2.46	2.73	2.05	3.07	3.32	3.95	4.47	5.09	6.92	11.75	
10	2.08	2.64	3.01	3.33	3.47	3.78	4.11	4.51	5.01	5.50	6.24	8.51	13.97
20	2.40	3.10	3.53	3.90	4.04	4.44	4.87	5.33	5.90	6.47	7.33	10.04	16.05
25	2.50	3.24	3.70	4.07	4.22	4.65	5.11	5.59	6.18	6.78	7.66	10.53	16.70
40	2.71	3.54	4.00	4.44	4.62	5.06	5.62	6.14	6.77	7.42	8.49	11.53	16.06
50	2.81	3.79	4.20	4.62	4.77	5.18	5.71	6.29	6.97	7.72	8.73	12.20	16.67
100	3.11	4.12	4.70	5.14	5.30	5.90	6.58	7.18	7.88	8.64	9.76	13.46	20.58
200	3.40	4.55	5.19	5.66	5.02	6.50	7.29	7.96	8.70	9.55	10.77	14.89	22.45
1000	4.07	5.54	6.29	6.83	6.99	7.88	8.93	9.73	10.58	11.61	13.07	16.17	26.67
10000	5.00	6.92	7.84	8.46	8.60	9.79	11.22	12.22	13.20	14.48	16.29	22.77	32.51
PMP	9.59	12.80	14.94	16.55	17.30	19.27	20.98	22.81	25.26	27.70	31.09	42.35	63.90

MEAN	1.345	1.646	1.842	2.034	2.110	2.259	2.466	2.721	3.030	3.324	3.805	5.212	9.070
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.433	1.146	1.798	1.606	1.500	1.371	2.180	2.006	1.790	1.881	1.994	2.377	1.557
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200

KURTOSIS	5.627	4.444	7.055	5.674	4.969	4.827	8.650	7.905	6.747	7.164	6.782	9.030	5.085
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.610	3.170	4.590	4.950	5.080	5.240	7.720	8.000	8.510	9.680	10.430	16.150	19.850
NORMALIZED MAX	2.176	2.212	2.935	2.758	2.638	2.572	3.350	3.276	3.102	3.160	3.015	3.414	2.669
CALC., COEF., VAR	.433	.419	.508	.520	.534	.524	.637	.599	.605	.607	.615	.645	.445
REGN., COEF., VAR	.407	.452	.474	.476	.480	.502	.501	.492	.489	.489	.495	.495	.403
USED COEF., VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.478	.403

MEAN/A	.1403	.1815	.2031	.2242	.2328	.2490	.2717	.3000	.3341	.3665	.4195	.5747	1.0000
RPM/A	.2294	.2908	.3318	.3671	.3823	.4164	.4522	.4969	.5224	.5609	.6874	.9380	1.5492
RPM2/A	.2247	.2744	.3146	.3464	.3714	.4051	.4408	.4856	.5112	.5479	.6752	1.1735	1.8542
RPM5/A	.3699	.4084	.4636	.5088	.5259	.5823	.6451	.7057	.7769	.8513	.921	1.3235	2.0584
RP100/A	.3430	.4546	.5181	.5669	.5824	.6504	.7250	.7917	.8685	.9527	.1.0756	1.4830	2.0692
RP1000/A	.4487	.6107	.6937	.7531	.7703	.8885	.9041	.1.0726	.1.1664	.1.2795	1.4413	2.0033	2.9404
RP10000/A	.5559	.7632	.8642	.9329	.9487	1.0790	1.2372	1.3471	1.4558	1.5970	1.7966	2.5108	3.5842
PMP/A	1.0578	1.4117	1.6473	1.8252	1.9070	2.1241	2.3135	2.5144	2.7845	3.0545	3.4277	4.6693	7.0450

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB T12 239 0 APACHE CAMP 4965 16 09N 23W 5 34.867 119.333 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.20	1.48	1.70	1.80	1.89	1.98	2.07	2.22	2.54	2.83	3.30	4.68	9.13
5	1.70	2.18	2.53	2.68	2.81	3.02	3.16	3.37	3.84	4.28	4.94	7.01	12.83
10	2.03	2.66	3.10	3.27	3.42	3.71	3.92	4.17	4.73	5.26	6.06	8.62	15.26
20	2.34	3.12	3.64	3.83	3.99	4.36	4.64	4.93	5.57	6.20	7.12	10.17	17.53
25	2.44	3.27	3.81	4.01	4.17	4.56	4.87	5.18	5.83	6.49	7.44	10.86	16.24
40	2.65	3.57	4.33	4.47	4.57	4.90	5.25	5.60	6.35	7.01	8.15	11.08	19.71
50	2.74	3.72	4.33	4.46	4.59	5.19	5.71	6.37	7.02	7.79	8.76	12.16	20.39
100	3.03	4.16	4.84	5.06	5.23	5.79	6.27	6.64	7.43	8.27	9.48	13.43	22.48
200	3.32	4.59	5.35	5.59	5.74	6.39	6.95	7.36	8.21	9.13	10.46	15.08	24.52
1000	3.97	5.58	6.49	6.72	6.89	7.73	8.50	9.00	9.98	11.11	12.70	18.40	29.13
10000	4.87	6.98	8.08	8.32	8.49	9.61	10.69	11.30	12.45	13.88	15.83	23.05	35.51
PMP	9.35	12.91	15.40	16.28	17.07	18.91	19.99	21.10	23.82	26.51	30.21	42.89	69.79

MEAN	1.311	1.659	1.899	2.000	2.082	2.217	2.348	2.518	2.858	3.181	3.698	5.278	9.906
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.756	1.653	2.245	1.860	1.890	1.817	1.686	1.785	1.809	1.849	1.952	1.175	.960
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200

KURTOSIS	3.435	7.043	10.936	8.350	8.284	7.041	6.418	6.941	8.853	7.174	5.723	3.434	3.337
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1958	1982	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1941
RECORD MAXIMUM	2.200	3.900	5.330	5.430	5.780	5.980	6.230	7.030	7.830	8.630	9.020	11.120	19.830
NORMALIZED MAX	1.704	3.080	3.722	3.522	3.569	3.332	3.267	3.395	3.369	3.451	3.192	2.523	2.477
CALC., COEF., VAR	.398	.439	.485	.487	.498	.509	.503	.528	.518	.549	.451	.439	.404
REGN., COEF., VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF., VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	.1323	.1675	.1917	.2018	.2101	.2238	.2370	.2541	.2885	.3211	.3733	.5328	1.0000
RPM/A	.2048	.2664	.3132	.3305	.3493	.3743	.3953	.4209	.4771	.5309	.6111	.8703	1.5402
RPM2/A	.2446	.3259	.3947	.4080	.4260	.4607	.4719	.5265	.5607	.6179	.7109	1.0240	1.6131
RPM5/A	.2766	.3551	.4376	.4500	.4764	.5242	.5464	.6102	.6702	.7459	.8560	1.2271	2.0584
RP100/A	.3091	.4195	.4909	.5104	.5278	.5846	.6325	.6706	.7500	.8347	.9569	1.3757	2.6940
RP1000/A	.4004	.6363	.6547	.6780	.6959	.7806	.8595	.9085	.1.0073	.1.2120	.1.2923	.1.8574	2.9040
RP10000/A	.4916	.7643	.8157	.8399	.8569	.9090	.1.0792	.1.1410	.1.2572	.1.3992	.1.5984	2.3279	3.5842
PMP/A	.9440	1.3028	1.5549	1.6430	1.7231	1.9091	2.0182	2.1297	2.4046	2.6762	3.0495</		

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB T12 719 0 BETTERAVIA SLO 387 364 15S 10N 35W 5 34°.917 120°.517 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	SD	80	100	150	200	300	600	3650	
2	1.79	2.13	2.34	2.54	2.76	2.84	3.04	3.34	3.98	4.38	5.05	7.03	12.38
5	2.54	3.13	3.49	3.78	4.12	4.33	4.68	5.07	6.01	6.62	7.56	10.54	17.40
10	3.64	3.83	4.27	4.41	4.91	5.32	5.80	6.27	7.39	8.14	8.27	10.70	15.70
20	5.51	4.49	5.02	5.40	5.84	6.25	6.80	7.41	8.71	9.58	10.90	15.29	23.78
25	3.65	4.70	5.22	5.65	6.10	6.55	7.22	7.78	9.12	10.04	11.41	16.03	24.74
40	3.96	5.14	5.74	6.16	6.64	7.15	7.92	8.53	9.98	10.99	12.47	17.56	26.73
50	4.10	5.35	5.97	6.40	6.89	7.44	8.26	8.89	10.38	11.43	12.97	18.28	27.66
100	4.54	5.98	6.67	7.13	7.66	8.31	9.28	9.98	11.62	12.79	14.30	20.49	30.49
200	4.97	6.46	7.16	7.64	8.40	9.16	10.29	11.06	12.64	14.19	16.03	22.80	33.26
1000	5.94	8.04	8.94	9.47	10.09	11.11	12.52	13.60	15.18	16.43	18.67	25.51	38.51
10000	7.29	10.04	11.13	11.72	12.43	13.78	15.04	16.99	19.48	21.44	24.23	34.68	48.16
PMP	14.00	18.58	21.22	22.94	25.00	27.13	29.61	31.70	37.25	41.01	46.22	64.50	94.67

MEAN	1.962	2.388	2.616	2.818	3.048	3.180	3.478	3.783	4.469	4.920	5.657	7.938	13.438
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.191	1.185	1.483	1.317	1.697	1.829	1.615	1.419	1.633	1.805	1.976	1.188	1.200
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.200	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.200	1.200

KURTOSIS	5.457	4.994	5.002	5.419	4.859	6.869	7.667	6.268	5.112	6.684	7.277	4.403	4.685
N	70	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1909	1909	1918	1914	1918	1909	1909	1909	1909	1909	1909	1909	1941
RECORD MAXIMUM	4,000	5,300	6,280	6,500	7,390	9,120	10,520	10,520	11,130	15,740	17,370	20,000	29,160
NORMALIZED MAX	3,146	3,225	3,256	3,130	3,303	4,016	4,267	3,622	3,375	4,620	4,199	3,339	3,379
CALC. COEF. VAR	.330	.378	.430	.417	.431	.465	.475	.466	.442	.476	.493	.455	.346
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	.1460	.1777	.1947	.2097	.2268	.2367	.2588	.2815	.3326	.3662	.4210	.5907	1.0000
RP10/A	.2260	.2948	.3181	.3434	.3728	.3958	.4317	.4662	.5500	.6055	.6900	.9648	1.5402
RP25/A	.2719	.3500	.3911	.4202	.4542	.4872	.5371	.5788	.6766	.7471	.8491	.1.1728	1.8413
RP50/A	.3092	.3980	.4444	.4759	.5128	.5535	.6145	.6615	.7726	.8566	.9654	1.3046	2.0584
RP100/A	.3377	.4451	.4768	.5303	.5668	.6182	.6506	.7429	.8646	.9519	1.0793	1.5252	2.2692
RP1000/A	.4019	.5400	.6850	.7044	.7511	.8284	.9374	1.0385	1.1182	1.1824	1.3532	2.0592	2.9404
RP10000/A	.5425	.7473	.8085	.8723	.9281	1.0258	1.1785	1.2460	1.4494	1.5988	1.8028	2.9890	3.5842
PMP/A	1.0417	1.3824	1.3971	1.7071	1.6602	2.0188	2.2638	2.3590	2.7722	3.0519	3.4395	4.7996	7.0450

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB T12 1986 20 CAT CANYON FD-UNION OIL C 1120 05 08N 32W R S 34°.796 120°.263 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS											
	10	20	30	W	YR							
2	1.99	2.44	2.76	14.00								
5	2.61	3.59	4.12	14.73								
10	3.36	4.38	5.04	23.55								
20	3.88	5.15	5.92	27.16								
25	4.04	5.39	6.20	28.29								
40	4.38	5.89	6.77	30.63								
50	4.54	6.13	7.04	31.73								
100	5.02	6.85	7.87	35.00								
200	5.50	7.51	8.61	36.89								
1000	6.97	9.51	10.94	45.84								
10000	8.07	11.51	13.13	56.22								
PMP	15.50	21.20	25.03	107.74								

MEAN	2.172	2.736	3.086	15.294								
CLOCK HR. COR.	1.140	1.070	1.040	1.000								
CALCULATED SKEW	.851	.944	.645	1.080								
REGIONAL SKEW	1.300	1.500	1.400	1.300								
SKEW USED	1.300	1.500	1.400	1.300								

KURTOSIS	3.490	2.284	2.600	4.045								
N	21	21	21	21								
RECORD YEAR	1916	1642	1962	1969								
RECORD MAXIMUM	3,230	4,320	5,590	28,850								
NORMALIZED MAX	1.697	1.463	1.930	2.357								
CALC. COEF. VAR	.207	.396	.420	.376								
REGN. COEF. VAR	.409	.452	.474	.403								
USED COEF. VAR	.409	.452	.474	.403								

MEAN/A	.1420	.1789	.2018	1.0000								
RP10/A	.2190	.2867	.3297	1.5396								
RP25/A	.2645	.3524	.4053	1.6496								
RP50/A	.2969	.4007	.4806	2.0746								
RP100/A	.3268	.4481	.5147	2.9240								
RP1000/A	.3699	.6049	.6062	2.0380								
RP10000/A	.5577	1.5233	1.8581	2.5758								
PMP/A	1.0133	1.3916	1.6366	7.0460								

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T12 2236 0 CUYAMA 2240 25 10N 26W S 34°9.933 119°6.17 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.05	1.31	1.42	1.50	1.59	1.59	1.63	1.70	1.87	2.02	2.31	3.06	5.41
5	1.49	1.93	2.12	2.24	2.38	2.42	2.49	2.50	2.83	3.06	3.49	4.58	7.61
10	1.78	2.36	2.60	2.73	2.89	2.97	3.09	3.20	3.48	3.76	4.29	5.63	9.04
20	2.05	2.77	3.05	3.20	3.37	3.49	3.66	3.79	4.10	4.43	5.05	6.65	10.39
25	2.14	2.90	3.15	3.34	3.52	3.66	3.84	3.97	4.30	4.64	5.29	6.82	10.81
40	2.32	3.48	3.49	3.75	3.60	4.00	4.22	4.26	4.50	5.07	5.79	7.63	11.48
50	2.40	3.50	3.63	3.79	3.97	4.15	4.44	4.54	4.89	5.28	5.92	7.95	11.49
100	2.66	3.69	4.06	4.22	4.41	4.64	4.94	5.10	5.46	5.91	6.74	8.91	13.33
200	2.91	4.08	4.46	4.64	4.85	5.12	5.48	5.65	6.05	6.53	7.44	9.86	14.54
1000	3.48	4.96	5.43	5.61	5.82	6.20	6.73	6.91	7.36	7.93	9.05	12.03	17.27
10000	4.27	6.20	6.77	6.94	7.17	7.70	8.44	8.67	9.18	9.90	11.29	15.07	21.03
PMPE	8.20	11.47	12.90	13.59	14.81	15.15	15.77	16.19	17.56	18.94	21.58	28.03	41.37

MEAN	1.149	1.474	1.591	1.669	1.757	1.777	1.852	1.932	2.107	2.272	2.599	3.450	5.873
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.10	1.090	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.328	1.942	2.240	2.288	2.438	2.389	2.389	2.319	2.319	2.250	2.326	2.061	1.291
REGIONAL SKEW	1.300	1.500	1.490	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.490	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200

KURTOSIS	4.498	7.463	9.349	9.341	10.914	11.184	11.097	11.370	11.948	10.128	10.623	7.485	5.931
N	29	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1969
RECORD MAXIMUM	2.420	4.210	4.800	4.980	5.450	5.470	5.470	5.570	6.450	6.550	7.010	8.000	12.980
NORMALIZED MAX	1.965	2.831	3.177	3.269	3.466	3.489	3.533	3.555	3.606	3.441	3.474	2.817	2.876
CALC. COEF. VAR	.563	.655	.635	.653	.608	.596	.553	.529	.572	.547	.499	.468	.421
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.489	.487	.475
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403

MEAN/A	.1957	.2511	.2709	.2842	.2993	.3025	.3155	.3290	.3588	.3870	.4426	.5875	1.0000
RP10/A	.3028	.4024	.4425	.4654	.4918	.5059	.5262	.5448	.5933	.6399	.7307	.9595	1.502
RP25/A	.3634	.4534	.4957	.5155	.5374	.5627	.5821	.6011	.6322	.6786	.7326	.9061	1.1863
RP50/A	.4091	.5264	.6192	.6495	.6765	.7075	.7499	.7733	.8085	.8499	.9057	.9571	1.2084
RP100/A	.4527	.6290	.6999	.7187	.7517	.7902	.8148	.8681	.9327	.10060	.11477	.15169	2.2992
RP1000/A	.5923	.8450	.9250	.9547	.9909	1.0551	1.1426	1.1761	1.2157	1.3511	1.5407	2.0479	2.9404
RP10000/A	.7271	1.0560	1.1525	1.1826	1.2204	1.3109	1.4364	1.4771	1.5635	1.6683	1.9225	2.5668	3.5842
PMPE/A	1.3962	1.9533	2.1968	2.3138	2.4539	2.5806	2.6661	2.7569	2.9905	3.2254	3.6756	4.7733	7.0450

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T12 3602 10 GUADALUPE P I C 392 397 80 34.962 120.574 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.59	1.87	2.07	2.24	2.41	2.55	2.74	3.02	3.58	3.92	4.55	6.42	11.10
5	2.25	2.75	3.10	3.34	3.59	3.87	4.19	4.59	5.42	5.92	6.88	9.63	15.60
10	2.69	3.33	3.79	4.08	4.37	4.76	5.19	5.68	6.66	7.26	8.46	11.82	18.55
20	3.11	3.95	4.46	4.77	5.09	5.60	6.15	6.72	7.85	8.58	9.96	13.97	21.32
25	3.24	4.13	4.66	4.99	5.32	5.86	6.45	7.05	7.92	8.22	8.99	10.43	22.16
40	3.51	4.43	5.10	5.59	6.04	6.44	7.04	7.73	8.59	9.39	10.43	14.64	23.66
50	3.64	4.50	5.20	5.65	6.01	6.45	7.04	7.80	8.65	9.50	10.32	12.70	24.80
100	4.02	5.26	5.92	6.30	6.68	7.43	8.30	9.05	10.47	11.45	13.29	19.72	27.34
200	4.40	5.81	6.54	6.93	7.33	8.20	9.20	10.92	11.57	12.65	14.80	20.71	29.82
1000	5.28	7.06	7.93	8.37	8.80	9.92	11.27	12.26	14.07	15.38	17.84	25.27	39.42
10000	6.46	8.83	9.85	10.36	10.84	12.33	14.16	15.39	17.56	19.20	22.25	31.68	43.10
PMPE	12.41	16.32	18.83	20.27	21.79	24.27	26.48	28.73	33.58	36.72	42.55	58.91	84.87

MEAN	1.739	2.098	2.322	2.491	2.658	2.846	3.110	3.429	4.028	4.405	5.124	7.250	12.046
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.217	2.037	2.682	2.302	2.015	2.634	2.533	2.351	2.039	1.875	1.673	1.823	1.168
REGIONAL SKEW	1.300	1.500	1.490	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.490	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200

KURTOSIS	5.125	14.395	13.082	10.478	9.010	12.043	12.055	11.188	8.700	7.893	6.477	7.863	4.598
N	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.750	7.270	7.900	7.900	8.310	10.320	11.180	11.632	12.650	13.010	14.460	21.020	26.910
NORMALIZED MAX	2.014	4.217	4.255	4.043	3.914	4.410	4.377	4.294	3.871	3.741	3.512	3.869	3.099
CALC. COEF. VAR	.442	.581	.564	.537	.543	.596	.593	.557	.553	.522	.520	.511	.410
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.489	.487	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.485	.403

MEAN/A	.1446	.1742	.1928	.2088	.2206	.2362	.2502	.2847	.3344	.3657	.4254	.6019	1.0000
RP10/A	.2236	.2792	.3149	.3385	.3626	.3950	.4307	.4714	.5530	.6047	.7022	.9830	1.0000
RP25/A	.2068	.3134	.3372	.4152	.4662	.5162	.5522	.6026	.7462	.7862	.8462	1.2153	1.8413
RP50/A	.3018	.3912	.4402	.4987	.5541	.6130	.6688	.7145	.8088	.8588	.9088	1.2144	1.8404
RP100/A	.3339	.4364	.4917	.5228	.5541	.6170	.6899	.7511	.8239	.8741	.9507	1.1300	1.5539
RP1000/A	.4369	.5862	.6593	.6945	.7239	.7932	.8392	.9076	.1.0176	1.1676	1.2768	1.4080	2.0980
RP10000/A	.5364	.7326	.8029	.8602	.9397	.1.0236	1.1757	1.2780	1.4573	1.5936	1.8477	2.6295	3.5982
PMPE/A	1.0300	1.3552	1.5634	1.6830	1.8091	2.0150	2.3854	2.7874	3.0480	3.5325	4.8900	7.0450	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
712 8574 0

STATION NAME	ELEV	SEC	TMP	RNG	LOT	BWH	LATITUDE	LONGITUDE	COUNTY	CODE
OZENA	33	3705	21	07N	23W	5	34.700	119.317	56	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.35	2.79	3.06	3.30	3.56	3.62	3.76	3.92	4.35	4.63	5.21	7.23	11.85
5	3.33	4.11	4.57	4.93	5.31	5.51	5.75	5.96	6.57	6.99	7.67	10.93	16.37
10	3.98	5.02	5.59	6.01	6.46	6.76	7.13	7.37	8.08	8.60	9.67	13.32	19.47
20	4.59	5.89	6.57	7.04	7.53	7.95	8.45	8.72	9.52	10.13	11.38	15.71	22.37
25	4.79	6.16	6.87	7.36	7.87	8.33	8.87	9.14	9.97	10.61	11.92	16.47	23.28
40	5.41	6.74	7.51	8.02	8.56	9.10	9.74	10.03	10.91	11.61	13.04	18.04	25.15
50	5.37	7.01	8.01	8.89	9.49	10.15	10.45	11.36	12.08	13.77	18.07	26.02	
100	5.95	7.84	8.73	9.28	9.87	10.57	11.14	11.71	12.71	13.18	15.05	20.89	
200	6.51	8.86	9.63	10.22	10.84	11.65	12.65	13.00	14.04	14.93	16.77	23.30	31.29
1000	7.78	10.53	11.89	12.33	13.01	14.11	15.48	15.90	17.06	18.16	20.38	28.43	37.17
10000	9.55	13.16	14.56	15.28	16.03	17.52	19.47	19.97	21.30	22.66	25.43	35.63	45.31
PMP	18.34	24.35	27.75	29.89	32.23	34.50	36.40	37.27	40.74	43.34	48.63	66.26	89.06
MEAN	2.570	3.129	3.422	3.672	3.930	4.045	4.275	4.448	4.887	5.200	5.855	8.155	12.641
CLOCK NR. COR.	1.140	1.070	1.040	1.030	1.020	1.010	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	2.082	1.810	1.459	1.307	1.156	1.116	1.041	1.029	1.060	1.176	1.217	1.360	1.235
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	10.454	7.747	5.431	4.737	4.031	3.771	3.817	3.617	3.494	3.983	4.019	4.515	4.358
N	61	61	61	61	61	61	61	61	61	61	61	61	62
RECORD YEAR	1914	1914	1914	1962	1962	1969	1969	1962	1969	1918	1911	1911	1961
RECORD MAXIMUM	7.700	9.400	9.470	9.750	9.980	10.070	10.410	10.950	11.600	13.420	16.060	22.980	32.630
NORMALIZED MAX	3.930	3.761	3.221	3.001	2.758	2.681	2.582	2.601	2.592	2.895	3.127	3.109	3.309
CALC. COEF. VAR	.508	.530	.549	.552	.558	.556	.556	.549	.530	.546	.557	.585	.478
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.2033	.2475	.2707	.2904	.3109	.3200	.3382	.3518	.3865	.4113	.4632	.6451	i.0000
RP10/A	.3146	.3967	.4422	.4750	.5151	.5551	.5641	.5865	.5939	.6802	.7646	1.0536	1.5402
RP20/A	.3784	.4474	.5437	.6000	.6725	.6856	.7018	.7253	.7893	.8393	.9431	1.3028	1.8413
RP50/A	.5000	.5545	.6179	.6591	.7009	.7483	.8034	.8503	.8791	.9514	1.0456	1.4658	2.0584
RP100/A	.7403	.8202	.8905	.7344	.7809	.8358	.8954	.9209	.10051	1.0694	2.0110	2.6455	3.2082
RP1000/A	.8154	.8331	.9245	.9756	1.0295	1.1140	1.2249	1.2571	1.3499	1.4362	1.6124	2.2487	3.9464
RP10000/A	.7554	1.0412	1.1510	1.2084	1.2479	1.3865	1.5399	1.5797	1.6848	1.7926	2.0120	2.0184	2.5882
PMP/A	1.4500	1.9259	2.1954	2.3643	2.5495	2.7295	2.8796	2.9464	3.2225	3.4286	3.8466	5.2413	7.0450

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 712 7946 0	STATION NAME	ELEV	SEC	TMP	RNG	LOT	BWH	LATITUDE	LONGITUDE	COUNTY	CODE		
	SANTA MARIA AP	238						34.900	120.450	42			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.81	2.12	2.32	2.51	2.68	2.80	2.90	3.14	3.78	4.18	4.97	7.32	12.38
5	2.57	3.12	3.47	3.74	4.00	4.26	4.44	4.78	5.72	6.31	7.50	10.97	17.40
10	3.07	3.81	4.25	4.56	4.88	5.26	5.50	5.90	7.03	7.76	9.22	13.50	20.69
20	3.54	4.47	4.99	5.34	5.67	6.1	6.52	6.99	8.28	9.14	10.85	15.92	23.78
25	3.69	4.66	5.23	5.56	5.92	6.44	6.84	7.33	8.67	9.58	11.37	16.69	24.74
40	4.00	5.12	5.71	6.08	6.44	7.0	7.51	8.04	9.40	10.24	12.14	16.73	26.73
50	4.15	5.26	5.94	6.32	6.78	7.3	7.8	8.39	9.88	10.91	12.94	19.03	27.68
100	4.55	5.56	6.34	6.71	7.13	8.18	8.60	9.00	11.05	12.21	14.48	21.34	36.49
200	5.02	6.58	7.33	7.75	8.15	9.02	9.75	10.42	12.21	13.48	15.98	23.61	33.26
1000	6.00	8.00	8.89	9.35	9.79	10.92	11.94	12.74	14.84	16.39	19.44	26.81	39.51
10000	7.37	10.00	11.07	11.59	12.05	13.57	15.01	16.00	18.53	20.46	24.25	36.10	46.16
PMP	14.15	18.49	21.11	22.67	24.25	26.71	28.07	29.87	35.44	39.13	46.37	67.14	94.65
MEAN	1.983	2.377	2.603	2.795	2.957	3.331	3.297	3.544	4.251	4.695	5.583	8.263	13.436
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.840	.680	.984	1.007	.902	.911	.944	.974	1.057	.866	1.073	1.355	1.475
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.563	3.353	3.833	4.033	3.475	3.407	3.479	3.900	3.934	2.997	3.247	4.217	5.071
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1938	1943	1943	1962	1943	1962	1962	1962	1962	1941	1941	1941	1941
RECORD MAXIMUM	3.550	4.350	5.240	5.650	6.210	6.350	6.760	7.460	9.240	9.690	11.560	17.640	30.750
NORMALIZED MAX	1.927	2.103	2.417	2.349	2.399	2.297	2.332	2.566	2.649	2.337	2.293	2.435	2.879
CALC. COEF. VAR	.410	.395	.419	.439	.459	.447	.451	.426	.443	.455	.467	.466	.446
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1476	.1769	.1937	.2073	.2201	.2330	.2454	.2653	.3164	.3494	.4155	.6150	i.0000
RP10/A	.2264	.2035	.3165	.3394	.3617	.3897	.4093	.4393	.5233	.5770	.6860	1.0045	1.5402
RP25/A	.2749	.3485	.3891	.4152	.4405	.4797	.5092	.5454	.6457	.7130	.8404	1.0413	1.6413
RP50/A	.3108	.3083	.3963	.4211	.4035	.4545	.5000	.5364	.6151	.6931	.7631	1.0345	2.0464
RP100/A	.4468	.5924	.6616	.6961	.7288	.8128	.8867	.9484	.1.0469	.9084	1.0775	.1.5880	.2.6692
RP1000/A	.5485	.7741	.8042	.8623	.8795	.1.0908	1.1737	1.1917	1.3790	1.5227	1.6051	2.6871	3.5842
PMP/A	1.0532	1.3764	1.5710	1.6671	1.8043	1.9878	2.0893	2.2232	2.6375	2.9125	3.4510	4.9972	7.0450

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T12 8267 1 SISQUONC RANCH 415 390 600 09N 31W S 34-833 120-167 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.50	2.70	2.88	3.07	3.26	3.51	3.81	4.28	4.56	5.27	7.44	13.18
5	3.03	3.68	4.03	4.29	4.57	4.96	5.37	5.79	6.47	6.89	7.95	11.15	16.53
10	3.62	4.50	4.94	5.23	5.56	6.09	6.65	7.15	7.95	8.47	9.77	13.71	22.03
20	4.18	5.28	5.80	6.13	6.48	7.16	7.89	8.46	9.37	9.98	11.51	16.17	25.31
40	4.35	5.53	6.07	6.40	6.77	7.50	8.28	8.88	9.81	10.45	12.05	16.95	26.36
60	4.72	6.18	6.53	6.77	7.37	8.20	9.24	10.21	11.44	12.97	14.97	18.57	28.45
90	4.89	6.29	6.53	6.77	7.25	7.65	8.52	9.47	11.15	11.91	13.07	17.33	29.44
100	5.41	7.03	7.71	8.08	8.50	9.52	10.64	11.39	12.50	13.32	15.35	21.67	35.46
200	5.92	7.77	8.51	8.90	9.33	10.49	11.80	12.62	13.81	14.71	16.96	23.98	35.40
1000	7.08	9.45	10.32	10.74	11.20	12.71	14.45	15.64	16.79	17.89	20.61	29.26	42.06
10000	8.69	11.81	12.82	13.30	13.79	15.79	16.18	16.39	20.96	22.32	25.72	36.68	51.27
PMP	16.68	21.84	24.51	26.02	27.74	31.08	33.97	36.19	48.09	42.70	49.17	68.21	100.77
MEAN	2.338	2.607	3.022	3.197	3.383	3.644	3.989	4.318	4.810	5.123	5.920	8.395	14.303
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.017	1.130	1.030	1.030	1.030	1.030	1.030	1.030	1.030
CALCULATED SKEW	.567	1.840	1.394	1.649	1.717	1.310	1.530	1.362	1.299	1.331	1.407	1.724	1.074
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.316	5.471	8.139	7.285	6.880	4.954	5.342	5.014	5.732	5.288	5.020	5.024	3.303
N	19	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1969	1969
RECORD MAXIMUM	3.500	5.880	8.000	8.130	9.050	9.050	10.040	10.440	12.280	12.610	13.660	19.540	26.850
NORMALIZED MAX	1.398	2.584	2.866	3.140	3.120	2.808	2.820	2.775	2.956	2.734	2.674	2.721	2.175
CALC. COEF. VAR.	.356	.399	.413	.491	.537	.528	.538	.511	.525	.535	.489	.488	.403
REDN. COEF. VAR.	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.489	.487	.403
USED COEF. VAR.	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.489	.487	.403
MEAN/A	.1635	.1963	.2113	.2235	.2365	.2548	.2789	.3019	.3383	.3582	.4139	.5869	1.0000
RP10/A	.2530	.3146	.3452	.3660	.3887	.4260	.4659	.5561	.5922	.6833	.9586	1.5402	
RP20/A	.3044	.3866	.4167	.4474	.4754	.5146	.5546	.6166	.6612	.7368	.1.0511	1.8433	
RP50/A	.3418	.4398	.4823	.5072	.5345	.5958	.6522	.7594	.8712	.9690	.9592	1.3571	2.0584
RP100/A	.3782	.4917	.5389	.5651	.5940	.6554	.7442	.7956	.8742	.9311	1.0733	1.5153	2.4092
RP1000/A	.4948	.6606	.7216	.7507	.7831	.8865	1.0102	1.0793	1.1741	1.2505	1.4469	2.0459	3.9404
RP10000/A	.6974	.8255	.8999	.9299	.9644	1.1039	1.2699	1.3553	1.4655	1.5667	1.7980	2.5542	3.5842
PMP/A	1.1664	1.5270	1.7136	1.8193	1.9392	2.1731	2.3748	2.5300	2.8030	2.9852	3.4374	4.7686	7.0450

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB  
T12 8264 1 TEPUSET CYN 3248 34.908 120.165 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
	1D	2D	30	W	YR							
2	2.97	3.12	3.32	3.72								
5	3.64	4.00	4.98	5.41								
10	4.35	5.62	6.07	7.24								
20	5.02	6.59	7.12	8.80								
25	5.23	6.90	7.42	9.00								
40	5.47	7.65	8.15	10.70								
60	5.87	7.85	8.15	10.30								
80	6.50	8.78	9.47	12.41								
100	7.11	9.70	10.45	12.48								
1000	8.50	11.79	12.68	16.72								
10000	10.44	14.74	15.80	19.58								
PMP	20.05	27.26	30.11	33.32								
MEAN	2.809	3.504	3.713	18.924								
CLOCK HR. COR.	1.140	1.070	1.040	1.000								
CALCULATED SKEW	.653	1.293	1.048	1.170								
REGIONAL SKEW	1.300	1.800	1.400	1.300								
SKEW USED	1.300	1.500	1.400	1.300								
KURTOSIS	3.529	4.955	4.001	4.082								
N	25	25	26	25								
RECORD YEAR	1956	1951	1951	1958								
RECORD MAXIMUM	4.000	7.150	7.240	38.340								
NORMALIZED MAX	1.614	2.510	2.264	2.689								
CALC. COEF. VAR.	.262	.415	.420	.382								
REDN. COEF. VAR.	.409	.452	.471	.403								
USED COEF. VAR.	.409	.452	.471	.403								
MEAN/A	.1485	.1851	.1962	1.0000								
RP10/A	.2298	.2967	.3205	1.5394								
RP20/A	.2765	.3847	.3546	1.8436								
RP50/A	.3144	.4147	.4478	2.0748								
RP100/A	.3434	.4636	.5006	2.2940								
RP1000/A	.4494	.6231	.6700	2.9971								
RP10000/A	.5514	.7787	.8346	3.6798								
PMP/A	1.0592	1.4404	1.5911	7.0450								

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
713 5107 0 STATION NAME  
LOS ALAMOS 351 ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
399 S 65 30 08N 32W S 34°75.0 120°28.3 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.47	2.60	3.07	3.32	3.50	3.80	4.09	4.69	5.08	5.98	6.38	14.02
5	2.98	3.63	4.18	4.58	4.95	5.32	5.82	6.21	7.09	7.67	9.02	12.56	19.71
10	3.57	4.43	5.11	5.59	6.02	6.54	7.21	7.68	8.71	9.44	11.09	15.45	23.44
20	4.12	5.20	6.01	6.54	7.25	7.80	8.55	9.44	10.29	11.12	13.07	18.22	26.94
40	4.25	5.35	6.24	6.74	7.55	8.05	8.87	9.57	10.53	11.51	13.51	18.74	28.03
50	4.65	5.96	6.87	7.46	7.98	8.50	9.45	10.46	11.76	12.74	14.96	20.92	30.28
100	4.92	6.20	7.15	7.75	8.26	9.15	10.27	10.89	12.24	13.26	15.56	21.78	31.33
200	5.33	6.93	7.98	8.64	9.20	10.22	11.54	12.23	13.70	14.84	17.41	24.42	34.54
1000	5.84	7.65	8.81	9.50	10.10	11.27	12.79	13.55	15.13	16.39	19.23	27.02	37.67
10000	6.98	9.31	10.69	11.47	12.13	13.64	15.66	16.57	18.44	19.92	23.38	32.97	44.75
PMP	8.57	11.63	13.32	14.21	14.94	16.95	19.69	20.81	22.96	24.87	29.17	41.32	54.55
	16.45	21.52	25.39	27.80	30.04	33.37	36.82	38.84	43.91	47.56	55.77	76.84	107.23

MEAN	2.306	2.766	3.131	3.415	3.664	3.911	4.324	4.635	5.269	5.707	6.715	9.457	15.220
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.843	2.083	1.856	1.523	1.476	1.459	1.501	1.608	1.378	1.419	1.486	1.495	1.135
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	8.272	10.038	8.762	6.582	6.762	5.839	5.499	5.833	4.579	4.468	4.747	4.830	4.276
N	66	65	65	65	65	65	65	65	65	65	65	65	67
RECORD YEAR	1918	1916	1918	1918	1918	1918	1918	1918	1918	1918	1918	1918	1941
RECORD MAXIMUM	5,810	8,130	9,250	9,390	10,350	10,490	11,440	12,100	13,730	17,260	20,595	35,200	35,200
NORMALIZED X	3.631	4.317	4.334	3.744	4.711	3.640	3.644	3.590	2.944	2.944	3.592	3.592	3.292
CALC. COEF. VAR	.416	.449	.453	.440	.448	.450	.478	.483	.493	.498	.498	.498	.401
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403

MEAN/A	.1515	.1817	.2057	.2264	.2407	.2570	.2941	.3045	.3465	.3749	.4412	.5213	1.0000
RP25/A	.2345	.2912	.3360	.3546	.3766	.3976	.4793	.5000	.5754	.6000	.7584	.9140	1.02
RP25%/A	.2525	.3220	.3811	.4496	.4819	.5299	.5898	.6260	.7083	.7680	.8984	.9245	.8143
RP50/A	.3168	.4707	.5095	.5029	.5441	.5910	.6755	.7156	.8041	.8710	1.0225	1.4309	2.0584
RP100/A	.3505	.4853	.5246	.5674	.6046	.6712	.7581	.8035	.8999	.9747	1.1441	1.6042	2.2962
RP1000/A	.4586	.6116	.7024	.7537	.7970	.8963	1.0290	1.0887	1.2086	1.3091	1.5360	2.1656	2.9406
RP10000/A	.5630	.7643	.8751	.9336	.9816	1.1136	1.2936	1.3672	1.5085	1.6339	1.9166	2.7145	3.5842
PMP/A	1.0810	1.4138	1.6681	1.8265	1.9737	2.1921	2.4190	2.5520	2.6852	3.1250	3.6642	5.0461	7.0450

## PRECIPITATION DEPTH= DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
714 3048 0 STATION NAME  
FIGUEROA MTN ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
3200 26 08N 30W Q S 34°73.6 120°00.6 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.32	3.79	4.00	4.37	4.67	4.97	5.09	5.95	6.40	7.52	10.75	18.22
5	4.03	5.20	6.03	6.39	6.95	7.52	8.13	8.25	9.44	10.06	11.66	16.67	26.46
10	5.76	6.50	7.54	7.98	8.64	9.42	10.31	10.44	11.88	12.35	14.70	19.70	34.56
20	6.02	6.84	8.94	9.48	10.22	11.21	12.40	12.44	14.08	14.98	17.16	21.70	36.92
40	6.45	8.96	10.38	10.92	11.73	12.94	14.44	14.58	16.27	17.26	19.76	28.54	41.76
50	6.82	9.34	10.83	11.38	12.21	13.40	15.05	15.23	16.96	17.99	20.58	29.75	43.28
100	7.59	10.53	12.19	12.76	13.66	15.15	17.05	17.22	19.09	20.23	23.10	33.49	47.93
200	8.36	11.70	13.52	14.15	15.08	16.78	19.05	19.19	21.18	22.43	25.58	37.18	52.47
1000	10.09	14.37	16.53	17.25	18.29	20.49	23.54	23.89	25.84	27.40	31.23	45.62	62.12
10000	12.49	18.13	20.82	21.57	22.72	25.65	29.85	30.00	32.62	34.95	37.31	52.66	69.91
PMP	24.44	34.10	40.34	43.02	46.57	51.25	56.89	56.87	63.16	66.61	75.37	107.84	153.18

MEAN	3.007	3.803	4.333	4.541	4.915	5.316	5.782	5.908	6.795	7.295	8.521	12.275	19.958
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.861	1.281	1.153	1.027	.811	1.321	1.842	2.097	1.694	1.905	1.803	1.886	1.603
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	3.941	5.756	4.739	4.441	2.949	4.804	6.970	6.967	6.761	7.992	6.770	6.642	5.432
N	31	31	31	31	31	31	30	30	30	30	30	30	30
RECORD YEAR	1969	1943	1943	1969	1969	1971	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4,900	7,790	8,670	9,600	9,800	13,700	16,500	18,000	16,700	21,000	22,800	33,430	49,410
NORMALIZED X	1.821	2.733	2.255	2.070	2.070	2.070	2.070	2.070	2.070	2.070	2.070	3.079	3.027
CALC. COEF. VAR	.346	.393	.409	.421	.472	.503	.606	.531	.512	.529	.507	.560	.468
REGN. COEF. VAR	.415	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1507	.1906	.2171	.2275	.2463	.2664	.2897	.2980	.3404	.3655	.4269	.6150	1.0000
RP10/A	.2465	.3255	.376	.3996	.4320	.4718	.5164	.5230	.5921	.6303	.7254	1.0407	1.5965
RP25/A	.3016	.4417	.473	.4985	.5368	.5696	.6564	.6613	.7410	.7671	.8020	1.3000	1.9290
RP50/A	.3015	.4462	.4825	.5703	.6117	.6756	.7562	.7630	.8498	.9015	1.0310	1.4907	2.1667
RP100/A	.3005	.4526	.5105	.6043	.6845	.7590	.8560	.8629	.9563	.1.0136	1.1573	1.6781	2.4015
RP1000/A	.5095	.7201	.8299	.8645	.9163	1.0267	1.1793	1.1669	1.2997	1.3749	1.5645	2.0285	3.1426
RP10000/A	.6259	.9083	1.0429	1.0810	1.1386	1.2851	1.4798	1.5084	1.6332	1.7259	1.9601	2.8791	3.8536
PMP/A	1.2243	1.7084	2.0211	2.1556	2.3338	2.5676	2.8460						

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 714 3402 0 018 RALTER DAM 1250 10 05N 27N 5 34.517 119.700 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.49	5.48	6.02	6.54	6.88	7.13	7.56	8.13	9.08	9.59	10.65	14.37	22.77
5	6.57	8.59	9.57	10.43	10.94	11.47	12.37	13.18	14.41	15.10	16.52	22.29	35.07
10	8.17	10.73	11.98	13.03	13.60	14.36	15.69	16.66	18.04	18.64	20.51	27.76	39.02
20	9.56	12.79	14.27	15.48	16.07	17.10	18.86	20.01	21.49	22.40	24.30	33.02	46.14
50	9.99	13.84	14.94	16.25	16.82	17.96	19.36	21.07	22.37	23.52	25.50	34.65	48.11
100	10.90	14.80	16.49	17.85	18.47	19.47	21.09	22.46	24.33	25.45	27.08	31.14	42.19
200	11.92	16.50	18.59	19.22	19.59	20.56	22.90	24.31	25.89	26.94	29.15	33.97	45.09
400	12.61	17.39	19.35	20.88	21.51	23.11	26.01	27.50	29.13	30.29	32.72	44.77	59.69
800	13.88	19.32	21.47	23.11	23.74	25.60	29.00	30.64	32.32	33.59	36.23	49.70	65.57
1000	16.75	23.74	26.30	28.19	28.79	31.20	35.64	37.82	39.59	41.09	44.23	50.98	78.38
10000	20.74	29.94	33.06	35.24	35.77	39.12	45.45	47.90	49.75	51.58	55.41	76.81	96.11
PMP	40.57	56.32	64.07	70.28	73.32	76.17	86.30	90.79	96.39	99.73	106.75	144.15	191.42

MEAN	4.993	6.282	6.881	7.418	7.738	8.109	8.802	9.433	10.370	10.923	12.069	16.400	24.940
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.206	1.575	1.483	1.340	1.295	1.428	1.704	1.596	1.496	1.674	1.614	1.661	1.306
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1.200

KURTOSIS	4.081	6.139	5.629	4.217	3.894	4.366	5.607	5.217	4.704	5.600	5.311	5.768	4.018
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1943	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	10.850	17.160	19.640	19.700	19.760	23.190	28.950	29.690	30.800	34.880	36.260	50.770	58.370
NORMALIZED MAX	2.041	2.870	2.956	2.456	2.255	2.547	3.004	2.956	2.836	3.069	3.069	3.159	2.534
CALC. COEF. VAR	.578	.603	.627	.674	.689	.730	.752	.726	.695	.715	.665	.663	.529
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.586	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.2002	.2519	.2759	.2974	.3103	.3251	.3529	.3702	.4156	.4380	.4639	.4579	.10.000
RP10/A	.3275	.4302	.4802	.5254	.5552	.5759	.6291	.6802	.7231	.7353	.8222	.1.1102	.1.5965
RP25/A	.4447	.5194	.5617	.6177	.6782	.7171	.7849	.8449	.9431	.9490	.9490	.1.0200	.1.0200
RP50/A	.4538	.6188	.6495	.7455	.8245	.9212	.9748	1.0379	1.0862	1.1586	1.5946	2.1487	.2.1487
RP100/A	.5056	.6973	.7760	.8370	.8744	.9265	1.0426	1.1025	1.1680	1.2145	1.3118	1.7951	.2.015
RP1000/A	.6715	.9519	1.0547	1.1301	1.1543	1.2532	1.4371	1.5153	1.5873	1.6475	1.7734	2.4450	3.1426
RP10000/A	.8316	1.2005	1.3255	1.4132	1.4344	1.5667	1.8223	1.9267	1.9947	2.0680	2.2217	3.0798	3.8536
RPMP/A	1.6267	2.2581	2.6567	2.8180	2.9398	3.1344	3.4603	3.6402	3.8648	3.9987	4.2862	5.7799	7.0750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 714 3402 0 GIBRALTAR DAM 2 1550 11 05N 27W 5 34.524 119.688 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	4.34	5.26	5.69	21.59
5	6.46	8.23	9.04	31.45
10	7.88	10.29	11.31	38.02
20	9.22	12.26	13.40	44.23
50	9.64	12.80	14.00	46.18
100	10.51	14.16	15.57	52.21
1000	10.92	14.79	16.24	52.10
10000	12.16	16.67	18.27	57.87
100000	13.39	18.53	20.20	63.53
PMP	20.01	28.70	31.22	94.22

MEAN	4.817	6.022	6.490	23.624
CLOCK HR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	1.281	1.592	1.576	1.545
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300

KURTOSIS	4.775	7.765	7.261	5.474
N	56	56	56	56
RECORD YEAR	1943	1943	1943	1941
RECORD MAXIMUM	10.850	17.160	19.640	65.700
NORMALIZED MAX	2.041	3.754	3.898	3.399
CALC. COEF. VAR	.467	.493	.493	.517
REGN. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445
MEAN/A	.2022	.2526	.2727	1.0000
RP10/A	.3306	.4317	.4747	1.5959
RP25/A	.4447	.5198	.5942	1.9385
RP50/A	.4533	.6210	.6815	2.1866
RP100/A	.5106	.6999	.7670	2.4289
RP1000/A	.6781	.9553	1.0425	3.2052
RP10000/A	.8398	1.2048	1.3102	3.9547
RPMP/A	1.6427	2.2662	2.5391	7.6757

PERSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
T14 4422 0

STATION NAME  
JUNCAL DAM

ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
398 2060 28 05N 25W 5 34°48'3 119°51'7 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.02	6.28	6.78	7.41	7.71	8.36	8.96	9.98	10.43	11.01	12.46	16.74	25.90
5	7.45	9.83	10.78	11.82	12.26	13.46	14.66	14.55	15.54	17.34	19.33	25.98	37.60
10	9.43	12.29	13.49	14.76	15.84	17.48	18.59	18.89	20.72	21.64	23.99	32.36	45.27
20	13.68	14.65	16.08	17.55	18.03	20.06	22.37	22.09	24.68	25.73	28.44	38.48	52.46
25	11.17	15.40	16.89	18.42	18.90	21.07	23.56	23.26	25.93	27.02	29.84	40.42	54.70
40	12.17	16.95	16.58	20.22	20.69	23.15	28.05	25.69	28.52	29.69	32.74	44.45	59.34
50	12.65	17.68	19.37	21.07	21.53	24.13	27.22	26.83	29.73	30.95	34.10	46.35	61.50
100	14.05	19.92	21.80	23.66	24.10	27.11	30.81	33.46	34.80	38.28	52.92	80.10	112.00
200	15.50	22.14	24.19	26.00	25.00	30.04	34.31	33.92	37.31	38.49	52.93	74.95	104.25
400	18.18	25.19	29.53	31.94	32.26	37.97	42.36	41.91	45.48	47.20	55.75	71.06	89.12
1000	23.18	34.30	37.24	39.94	40.08	45.90	53.85	52.87	57.19	59.25	64.84	89.52	109.28
PMP	45.33	64.51	72.17	79.64	82.15	91.72	102.25	100.21	110.72	114.56	124.91	167.99	217.65

MEAN	5.579	7.196	7.751	8.406	8.670	9.514	10.428	10.412	11.912	12.546	14.122	19.123	28.398
CLOCK HR, COR.	1.150	1.019	1.050	1.079	1.010	1.020	1.030	1.020	1.030	1.030	1.030	1.000	1.000
CALCULATED SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	8.186	7.885	6.912	5.588	6.700	7.788	10.891	11.330	9.399	10.965	8.669	11.853	5.752
N	46	46	46	46	46	28	28	28	46	28	28	46	46
RECORD YEAR	1959	1969	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	16,000	21,000	23,020	22,700	28,630	33,630	43,410	43,410	45,040	50,410	51,770	72,640	80,130
NORMALIZED MAX	3.170	3.217	3.162	2,642	3.449	3.406	3.872	4,480	3,709	3,889	4,210	3,977	3,465
CALC., COEF., VAR	.589	.596	.623	.644	.668	.744	.817	.716	.750	.776	.633	.704	.527
REON., COEF., VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF., VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1967	.238	.2733	.2964	.3057	.3355	.3677	.3672	.4201	.4425	.4980	.6743	1.0000
RP10/A	.3219	.4334	.4757	.5207	.5373	.5943	.6555	.6866	.7306	.7630	.8461	1.1410	1.5965
RP25/A	.3928	.5429	.5955	.6495	.6663	.7229	.8109	.8202	.9143	.9527	1.0521	1.4254	1.9290
RP50/A	.4459	.6234	.6830	.7430	.7599	.8586	.9599	.9453	.1,0485	1.0913	1.2020	1.6344	2.1687
RP100/A	.4968	.7025	.7687	.8342	.8497	.9580	1,0866	1,0702	1,1800	1,2274	1,3500	1,8100	2,4155
RP1000/A	.6599	.9589	1,0449	1,2823	1,1374	1,2931	1,4974	1,4720	1,5600	1,6893	1,8090	2,0500	3,1424
RP10000/A	.8173	1,2075	1,3132	1,4084	1,4134	1,6186	1,9988	1,8643	2,0151	2,0892	2,2864	3,1567	3,8536
RP/M/A	1,5982	2,2749	2,5448	2,8685	2,8967	3,2342	3,0556	3,5338	3,9045	4,0397	4,4047	5,9240	7,6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
T14 5064 25

STATION NAME  
LOMPOC BURREE SEED CO

ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
100 06N 34W 5 34°56'7 120°48'3 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	1.62	1.86	2.01	11.01
5	2.42	2.93	3.10	11.04
10	2.85	3.65	4.00	19.39
20	3.45	4.35	4.76	22.56
25	3.61	4.57	5.00	23.55
40	3.93	5.03	5.50	25.61
50	4.08	5.25	5.74	26.57
100	4.55	5.92	6.46	29.51
200	5.01	6.37	7.17	32.30
1000	6.04	8.08	8.78	39.94
10000	7.49	10.19	11.03	46.05
PMP	14.64	19.16	21.38	93.25

MEAN	1.802	2.137	2.297	12.150
CLOCK HR, COR.	1.140	1.070	1.084	1.000
CALCULATED SKEW	.608	1.008	1.016	.1617
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300

KURTOSIS	3.281	4.164	3.649	3.409
N	22	22	22	22
RECORD YEAR	1963	1956	1962	1958
RECORD MAXIMUM	2,690	3,860	4,530	22,300
NORMALIZED MAX	1,421	2,039	2,122	2,225
CALC., COEF., VAR	.347	.395	.458	.375
REON., COEF., VAR	.475	.531	.554	.445
USED COEF., VAR	.475	.531	.554	.445

MEAN/A	.1483	.1759	.1890	1.0000
RP10/A	.2427	.3004	.3290	1.5959
RP25/A	.2969	.3763	.4110	1.9362
RP50/A	.3362	.4321	.4723	2.1866
RP100/A	.3746	.4869	.5315	2.4299
RP1000/A	.4975	.6641	.7225	3.2052
RP10000/A	.5131	.8193	.9077	3.7777
RP/M/A	1,2052	1,5768	1,7596	7,6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8NW LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB  
T14 S064 40 LOMPOC J M 375 378 570 06N 34W 5 34.600 120.450 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.62	2.99	3.37	3.65	3.86	4.14	4.31	4.58	5.48	5.94	6.81	9.58	16.95
5	3.91	4.68	5.35	5.83	6.17	6.66	7.05	7.59	8.69	9.36	10.57	14.86	24.61
10	4.77	5.85	6.69	7.28	7.67	8.34	8.94	9.66	10.88	11.67	13.12	19.51	29.63
20	5.55	6.97	7.98	8.85	9.07	9.56	10.22	11.33	12.53	13.57	15.31	22.02	34.34
50	5.13	7.03	8.39	9.59	10.22	11.13	11.84	12.52	13.57	14.51	15.31	22.52	35.30
40	6.36	8.07	9.22	9.97	10.42	11.45	12.53	13.41	14.98	16.02	17.90	25.43	38.84
50	6.60	8.01	9.61	10.38	10.84	11.94	13.09	14.00	15.62	16.69	18.64	26.51	40.25
100	7.38	9.46	10.81	11.66	12.13	13.41	14.82	15.84	17.57	18.77	20.93	29.85	44.58
200	8.09	10.33	12.00	12.91	13.39	14.06	16.53	17.65	19.50	20.81	23.17	33.13	48.80
1000	9.77	12.94	14.70	15.74	16.24	18.14	20.43	21.78	23.89	25.46	28.25	40.65	56.33
10000	12.10	16.32	18.67	19.68	20.18	22.71	25.90	27.59	30.01	31.98	35.44	51.20	71.53
PMP	23.67	30.70	35.80	39.25	41.35	45.38	49.18	52.29	56.15	61.80	68.28	96.09	142.46

MEAN	2.913	3.424	3.846	4.142	4.364	4.707	5.016	5.433	6.256	6.769	7.719	10.938	16.561
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.112	.989	.800	.905	.866	.805	.743	.887	.920	1.239	1.323	1.833	1.833
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	3.884	3.619	2.819	3.329	3.443	3.423	3.329	3.592	3.900	3.547	4.504	4.744	8.526
N	47	46	46	1962	46	46	46	46	46	46	46	46	47
RECORD YEAR	1942	1942	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1941
RECORD MAXIMUM	5.710	6.930	7.580	9.000	9.720	10.500	11.480	14.100	14.850	16.000	26.100	50.350	
NORMALIZED MAX	2.154	2.425	2.184	2.570	2.110	2.035	2.516	2.470	3.046	2.747	3.142	4.159	
CALC. COEF. VAR	.446	.422	.444	.455	.429	.415	.408	.414	.433	.419	.462	.412	
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.597	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.597	.575	.553	.542	.523	.519	.445

MEAN/A	.1565	.1815	.2072	.2232	.2351	.2558	.2702	.2927	.3370	.3847	.4159	.5893	1.0000
RP10/A	.2566	.3123	.3600	.3922	.4492	.4492	.5711	.5880	.6289	.7066	.9971	.9965	
RP25/A	.3511	.3947	.4514	.4890	.5124	.5415	.6107	.6538	.7336	.7852	.8787	1.2456	.7290
RP50/A	.3557	.4532	.5177	.5594	.5840	.6431	.7054	.7544	.8413	.8994	1.0044	1.4293	2.1667
RP100/A	.3963	.5108	.5826	.6280	.6535	.7226	.7905	.8532	.9467	1.0113	1.1274	1.6079	2.4015
RP1000/A	.5264	.6972	.7920	.8480	.8747	.9774	1.1004	1.1735	1.2866	1.3717	1.5241	2.1900	3.1426
RP10000/A	.6519	.8793	.9933	1.0604	1.0869	1.2235	1.3954	1.4864	1.6168	1.7219	1.9094	2.7586	3.8536
PMP/A	1.2751	1.6540	1.9288	2.1145	2.2277	2.4446	2.6497	2.8172	3.1326	3.3295	3.6785	5.1771	7.6750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8NW LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB  
T14 T249 26 RANCHO SAN JULIAN 600 05N 33W 34.533 120.333 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	3.35	3.95	4.34	21.52
5	4.99	6.19	6.89	31.35
10	6.08	7.74	8.62	37.90
20	7.12	9.23	10.27	44.08
50	7.44	9.69	10.75	46.02
100	8.11	10.47	11.81	50.44
200	9.43	11.13	12.43	57.92
500	9.39	12.54	12.93	57.68
1000	10.33	13.94	15.46	63.32
10000	12.47	17.12	18.94	76.11
PMP	15.44	21.60	23.80	93.91

MEAN	3.717	4.531	4.954	23.746
CLOCK NR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.978	1.213	1.353	1.946
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300

KURTOSIS	3.339	4.551	4.407	8.548
N	52	52	52	51
RECORD YEAR	1952	1956	1956	1941
RECORD MAXIMUM	6.620	10.360	10.790	6.630
NORMALIZED MAX	1.997	2.680	2.615	4.270
CALC. COEF. VAR	.391	.421	.420	.425
REGN. COEF. VAR	.475	.531	.534	.445
USED COEF. VAR	.475	.531	.534	.445

MEAN/A	.1565	.1906	.2086	1.0000
RP10/A	.2561	.3259	.3631	1.5939
RP25/A	.3133	.4013	.4432	1.8262
RP50/A	.3549	.4668	.5214	2.1866
RP100/A	.3953	.5283	.5868	2.4289
RP1000/A	.5290	.7211	.7976	3.2052
RP10000/A	.6503	.9095	1.0023	3.9547
PMP/A	1.2719	1.7107	1.9424	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
 BSN ORDER SUB SANTA BARBARA BUTANIC ODN 710 04 04N 27W 5 34.467 119.717 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	W YR
2	3.43	4.15	4.54	20.39
5	5.11	6.51	7.22	29.56
10	7.23	8.13	9.03	35.90
20	7.29	8.69	10.76	41.76
25	7.63	10.19	11.31	43.60
40	8.31	11.21	12.44	47.40
50	8.64	11.70	12.97	49.19
100	9.82	13.88	14.59	53.65
200	10.59	14.65	16.20	59.28
1000	12.76	17.99	20.00	72.10
10000	15.83	22.70	24.93	88.96
PMP	36.96	42.69	46.32	172.64

MEAN	3,810	4,762	5,190	22,494
CLOCK MR. COEF.	1.140	1.076	1.046	1.000
CALCULATED SKEW	1.422	1.167	1.042	1.002
REGIONAL SKEW	1.300	1.300	1.200	1.300
USED SKEW	1.300	1.500	1.400	1.300

KURTOSIS	8.343	5.685	6.619	3.686
N	45	62	52	61
RECORD YEAR	1943	1943	1943	1941
RECORD MAXIMUM	9,580	12,590	15,220	54,240
NORMALIZED MAX	3,559	3,413	3,816	3,215
CALC. COEF. VAR	.425	.482	.506	.439
REBN. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445

MEAN/A	.1694	.2117	.2307	1.0000
RP10/A	.2771	.3616	.4015	1.9595
RP25/A	.3390	.4529	.5027	1.9382
RP50/A	.3839	.5200	.5769	2.1866
RP100/A	.4278	.5860	.6488	2.4289
RP1000/A	.5681	*0000	.8819	3.2052
RP10000/A	.7036	1.0089	1.1089	3.9547
PMP/A	1.3763	1.8977	2.1479	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
 BSN ORDER SUB SANTA YNEZ 600 34.617 120.100 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.14	2.66	2.95	3.26	3.45	3.63	3.72	3.94	4.33	4.89	5.61	7.84	13.12
5	3.18	4.17	4.70	5.20	5.49	5.67	6.08	6.39	7.20	7.70	8.70	12.16	19.05
10	4.84	5.51	5.89	6.49	6.81	7.11	7.42	8.08	9.51	10.50	10.80	15.15	22.94
20	4.84	6.21	7.00	7.72	8.06	8.64	9.29	9.71	10.73	11.42	12.80	18.02	26.58
25	4.75	6.52	7.30	8.10	8.45	8.86	9.76	10.22	11.27	11.99	13.43	16.92	27.72
40	5.10	7.14	8.09	8.69	9.25	9.76	10.61	11.29	12.40	13.16	14.74	20.81	30.07
50	5.38	7.44	8.44	9.27	9.63	10.17	11.30	11.79	12.93	13.73	15.35	21.70	31.16
100	5.99	8.44	9.49	10.40	10.77	11.43	12.79	13.33	14.55	15.44	17.24	24.43	34.51
200	6.59	9.38	10.54	11.52	11.89	12.47	14.28	14.86	16.14	17.27	19.22	27.78	41.16
1000	7.60	11.02	12.13	13.40	13.82	14.46	16.30	17.97	20.05	23.30	33.27	48.16	73.27
10000	9.08	11.93	16.22	17.57	17.92	19.38	22.35	23.23	24.84	26.29	29.19	41.91	55.37
PMP	19.26	27.33	31.43	35.03	38.72	38.86	42.44	44.03	48.14	50.64	56.23	70.65	110.29

MEAN	2,372	3,048	3,376	3,697	3,876	4,012	4,329	4,575	5,170	5,569	6,389	8,953	14,370
CLOCK MR. COEF.	1.140	1.076	1.080	1.020	1.010	1.010	1.008	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.981	1.525	1.405	.973	1.011	.984	1.263	1.193	1.321	1.476	1.705	1.327	2.177
REGIONAL SKEW	1.300	1.300	1.400	1.300	1.200	1.300	1.300	1.400	1.400	1.400	1.400	1.500	1.200
USED SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.300	1.400	1.400	1.400	1.400	1.500	1.200

KURTOSIS	4.737	6.368	6.008	3,562	3,310	3,196	4,311	4,154	3,982	4,669	5,772	6,946	8,427
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1950	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953
RECORD MAXIMUM	4,200	6,710	7,450	7,670	7,000	8,200	10,900	11,500	12,200	14,600	17,480	25,330	43,250
NORMALIZED MAX	2,107	2,761	2,862	2,395	2,076	2,129	2,042	2,029	2,601	2,084	3,023	2,998	3,630
CALC. COEF. VAR	.352	.435	.420	.449	.406	.500	.534	.521	.562	.579	.618	.553	
REBN. COEF. VAR	.475	.531	.554	.565	.565	.876	.587	.575	.893	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.865	.565	.576	.587	.575	.893	.542	.523	.519	.445

MEAN/A	.1851	.2121	.2350	.2573	.2697	.2792	.3012	.3184	.3604	.3875	.4424	.6230	1.0000
RP10/A	.2701	.3823	.4089	.4819	.4740	.4945	.5370	.5024	.6268	.6603	.7517	1.0542	1.5965
RP25/A	.3304	.4533	.5119	.5637	.5876	.6103	.6807	.7112	.7845	.8344	.9348	1.3170	1.9290
RP50/A	.3742	.5211	.5871	.6449	.6649	.7060	.7863	.8205	.8997	.9858	1.0685	1.5101	2.1687
RP100/A	.4169	.5872	.6606	.7240	.7497	.7956	.8901	.9280	.10124	1.0744	1.1984	1.7000	2.4015
RP1000/A	.5537	.8016	.8981	.9776	1.0035	1.0762	1.2267	1.2124	1.3759	1.3167	1.7124	2.0240	3.1165
RP10000/A	.6856	1.0110	1.2187	1.2226	1.2469	1.3470	1.3859	1.6167	1.7290	1.8290	2.0313	2.9166	3.6836
PMP/A	1.3914	1.9010	2.1874	2.3376	2.3555	2.6915	2.9336	3.0642	3.3500	3.5301	3.4735	7.6750	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 714 7976 30 SANTA YNEZ FIRE STATION 600 34.617 120.100 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS						
	10	20	30	50	100	300	W YR
2	1.86	2.22	2.51	2.93	3.67	5.06	11.71
5	2.89	3.36	3.69	4.16	5.83	8.14	19.16
10	3.41	4.38	4.96	5.84	7.92	11.40	26.00
20	4.99	5.19	5.94	6.94	8.58	12.14	29.24
25	4.17	5.45	6.24	7.29	9.99	12.75	30.80
40	4.55	6.01	6.86	8.00	9.85	14.01	34.05
50	4.72	6.26	7.16	8.34	10.25	14.66	35.50
100	5.26	7.06	8.05	9.36	11.47	16.40	40.20
200	5.70	7.64	8.61	10.38	12.66	18.17	44.91
1000	6.99	9.54	10.95	12.86	15.95	22.40	49.51
10000	8.66	12.15	13.76	15.80	18.07	23.77	70.30
PHP	16.94	22.86	26.66	31.92	39.09	55.49	133.65

MEAN	2.085	2.550	2.863	3.326	4.125	5.756	13.631
CLOCK HR. COR.	1.149	1.071	1.059	1.026	1.010	1.000	1.000
CALCULATED SKEW	1.101	1.491	1.485	1.340	1.767	1.299	1.377
REGIONAL SKEW	1.100	1.500	1.400	1.300	1.200	1.300	1.300
SKEW USED	1.300	1.300	1.300	1.300	1.200	1.300	1.300

KURTOSIS	4.683	6.810	6.191	3.706	6.663	4.461	4.723
N	21	21	21	21	21	21	21
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.140	5.720	6.250	6.520	10.800	13.690	27.400
NORMALIZED MAX	2.122	2.744	2.821	2.117	3.030	2.593	2.347
CALC. COEF. VAR	.466	.453	.419	.454	.534	.545	.421
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.567

MEAN/A	.1529	.1870	.2101	.2440	.3024	.4223	1.0000
RP10/A	.2502	.3195	.3656	.4266	.5316	.7460	1.7826
RP25/A	.3061	.4002	.4577	.5347	.6996	.9351	2.2596
RP50/A	.3466	.4595	.5249	.6117	.7517	1.0709	2.6103
RP100/A	.3862	.5176	.5908	.6667	.8411	1.2033	2.9584
RP1000/A	.5129	.7669	.8330	.9272	1.1259	1.6277	4.0721
RP10000/A	.6553	.8915	1.0092	1.1594	1.3991	2.0373	5.1635
PHP/A	1.2424	1.6769	1.9596	2.3121	2.8674	4.0709	9.8890

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 715 1546 31 CARPINTERIA HS 333 10 34.393 119.520 42

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS						
	10	20	30	50	100	200	300
2	2.64	3.05	3.34	3.57	3.72	3.93	4.27
5	3.94	4.77	5.21	5.70	5.92	6.32	7.45
10	4.81	5.96	6.64	7.12	7.55	8.07	9.47
20	5.62	7.11	7.91	8.46	9.70	9.43	10.67
25	5.86	7.47	8.31	8.89	9.12	9.96	11.24
40	6.41	8.22	9.11	9.76	9.99	10.66	12.43
50	6.66	8.58	9.54	10.11	10.39	11.34	12.99
100	7.42	9.67	10.73	11.61	11.63	12.74	14.70
200	10.16	12.71	13.29	12.44	12.49	11.11	11.84
1000	9.86	14.19	14.89	15.61	15.77	17.23	20.26
10000	12.21	16.64	16.33	19.27	19.34	21.57	25.69
PHP	23.87	31.30	35.52	38.42	39.65	43.10	40.76
	51.61	55.97	58.27	59.81	59.57	59.27	64.41

MEAN	2.936	3.492	3.016	4.055	4.104	4.470	4.978	5.382	6.010	6.302	7.282	9.621	16.824
CLOCK HR. COR.	1.149	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.145	1.32	1.156	1.118	1.203	1.631	1.993	1.409	1.470	1.567	1.428	1.35	1.064
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.300	1.400	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.300	1.400	1.400	1.400	1.400	1.500	1.200

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS						
	10	20	30	50	100	200	300
2	2.64	3.05	3.34	3.57	3.72	3.93	4.27
5	3.94	4.77	5.21	5.70	5.92	6.32	7.45
10	4.81	5.96	6.64	7.12	7.55	8.07	9.47
20	5.62	7.11	7.91	8.46	9.70	9.43	10.67
25	5.86	7.47	8.31	8.89	9.12	9.96	11.24
40	6.41	8.22	9.11	9.76	9.99	10.66	12.43
50	6.66	8.58	9.54	10.11	10.39	11.34	12.99
100	7.42	9.67	10.73	11.61	11.63	12.74	14.70
200	10.16	12.71	13.29	12.44	12.49	11.11	11.84
1000	9.86	14.19	14.89	15.61	15.77	17.23	20.26
10000	12.21	16.64	16.33	19.27	19.34	21.57	25.69
PHP	23.87	31.30	35.52	38.42	39.65	43.10	40.76
	51.61	55.97	58.27	59.81	59.57	59.27	64.41

MEAN/A	.1834	.2179	.2301	.2531	.2611	.2790	.3105	.3347	.3751	.3983	.4545	.6129	1.0000
RP10/A	.3000	.3722	.4145	.4445	.4599	.4942	.5535	.5912	.6523	.6666	.7721	1.0370	1.5965
RP25/A	.3670	.4462	.5100	.5545	.5901	.6176	.7016	.7476	.8164	.8576	.9602	1.2955	1.9290
RP50/A	.4157	.5353	.5991	.6343	.6466	.7073	.8105	.8625	.9383	.9623	1.0975	1.4995	2.1687
RP100/A	.4631	.6632	.6997	.7122	.7256	.7956	.9175	.9752	1.0536	1.1045	1.2320	1.6722	2.4015
RP1000/A	.6156	.8234	.9103	.9816	.9715	1.0753	1.2045	1.3431	1.4592	1.4862	1.8685	2.2778	3.1426
RP10000/A	.7617	1.0326	1.1440	1.2024	1.2072	1.3466	1.6032	1.6995	1.7994	1.8666	2.0065	2.4000	3.0356
PHP/A	1.4900	1.9534	2.1707	2.3970	2.4741	2.6005	3.0443	3.2210	3.4005	3.4944	4.0196	5.3842	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY  
8SN ORDER SUB 6 CASITAS OAH 400 06 03N 23W S 34.367 119.333 CODE  
TIS 1956 6 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	2.91	3.42	3.72	16.10
5	4.34	5.36	5.92	23.44
10	5.29	6.70	7.41	28.34
20	6.19	7.98	8.43	32.97
25	6.47	8.49	9.23	34.12
40	7.05	9.23	10.20	37.43
50	7.33	9.63	10.64	38.84
100	8.16	10.85	11.97	43.14
200	8.98	12.05	13.28	47.36
1000	10.84	14.82	16.27	56.93
10000	13.43	18.65	20.45	70.24
PMP	26.27	35.15	39.63	156.31

MEAN	3.233	3.920	4.256	17.760
CLOCK HR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKW	.566	.944	1.133	.990
REGIONAL SKW	1.300	1.500	1.400	1.300
SKW USED	1.300	1.500	1.400	1.300

KURTOSIS	3.266	3.922	4.229	3.460
N	23	23	23	23
RECORD YEAR	1969	1969	1969	1969
RECORD MAXIMUM	5.350	7.860	9.740	36.150
NORMALIZED MAX	1.736	2.600	2.900	2.370
CALC. COEF. VAR	.337	.501	.582	.436
REGN. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445

MEAN/A	.1820	.2207	.2307	1.0000
RP10/A	.2978	.3770	.4171	1.5939
RP25/A	.4039	.4723	.5221	1.5382
RP50/A	.4126	.5423	.5989	1.1066
RP100/A	.4597	.6111	.6740	2.4289
RP1000/A	.6105	.8342	.9161	3.2052
RP10000/A	.7562	1.0521	1.1513	3.9547
PMP/A	1.479	1.9781	2.2312	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY  
8SN ORDER SUB 30 MIGUELITO CANYON 1080 34.572 120.495 42  
TIS 5612 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	2.82	3.25	3.63	16.17
5	4.26	5.09	5.77	26.46
10	5.12	6.38	7.22	32.00
20	5.99	7.50	8.61	37.22
25	6.28	7.97	9.04	38.70
40	6.63	8.17	9.49	42.29
50	7.09	9.15	10.97	43.64
100	7.90	10.31	11.67	46.70
200	8.66	11.46	12.95	53.46
1000	10.45	14.08	15.86	64.26
10000	13.00	17.75	19.94	79.29
PMP	25.42	33.39	38.64	153.87

MEAN	3.129	3.725	4.150	20.049
CLOCK HR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKW	.674	1.614	1.265	.992
REGIONAL SKW	1.300	1.500	1.400	1.300
SKW USED	1.300	1.500	1.400	1.300

KURTOSIS	4.740	6.314	3.720	3.530
N	24	24	24	23
RECORD YEAR	1956	1956	1956	1956
RECORD MAXIMUM	5.600	8.330	8.940	37.390
NORMALIZED MAX	2.189	2.623	2.218	2.246
CALC. COEF. VAR	.337	.438	.520	.385
REGN. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445

MEAN/A	.1561	.1650	.2070	1.0000
RP10/A	.2553	.3173	.3663	1.5959
RP25/A	.3123	.3975	.4510	1.7336
RP50/A	.3521	.4446	.5173	1.7666
RP100/A	.3821	.5144	.6821	2.4289
RP1000/A	.5234	.7021	.7913	3.2052
RP10000/A	.6463	.8055	.9944	3.9547
PMP/A	1.2680	1.6656	1.9271	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RND LOT SWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB TIS 7588 11 MONTECITO WCO 325 300 200 08 04N 26W L S 34.441 119.632 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.01	3.58	3.97	4.28	4.55	4.82	5.09	5.41	6.14	6.47	7.48	10.36	17.13
B	4.49	5.60	6.31	6.83	7.23	7.76	8.33	8.76	9.75	10.19	11.60	16.07	24.67
10	5.47	7.00	7.90	8.53	8.99	9.72	10.51	11.06	12.20	12.71	14.40	20.02	29.94
20	6.40	8.34	9.41	10.14	10.63	11.57	12.71	13.31	14.53	15.12	17.07	23.81	34.70
25	6.69	8.72	9.81	10.55	11.15	12.15	13.38	14.02	15.22	15.87	17.51	25.11	37.18
50	7.50	9.65	10.07	11.49	12.21	13.18	14.30	15.16	16.79	17.44	19.65	25.50	39.24
100	8.44	11.34	12.76	13.67	14.21	15.92	17.33	18.19	19.70	20.44	22.98	32.28	45.04
200	9.29	12.61	14.16	15.14	15.69	17.33	19.03	21.19	24.12	25.15	27.73	31.08	43.97
1000	11.22	15.49	17.34	18.46	19.03	21.19	24.12	26.38	28.86	30.38	33.64	34.81	55.38
10000	13.89	19.53	21.80	23.08	23.84	26.46	30.59	31.86	33.64	34.81	38.91	52.20	72.20
PMP/A	27.17	36.74	42.24	46.03	48.46	52.91	58.09	60.39	65.19	67.30	74.97	103.43	143.95

MEAN	3.344	4.098	4.537	4.888	5.114	5.488	5.924	6.274	7.013	7.372	8.476	11.631	17.755
CLOCK MR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.889	2.016	1.581	1.446	1.246	1.576	1.864	1.880	1.849	1.773	1.859	1.327	1.254
REGIONAL SKW	1.300	1.300	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKW USED	1.300	1.300	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	8.200	8.761	6.130	5.039	4.613	5.671	7.219	7.476	7.127	6.729	6.153	4.670	4.569
N	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44
RECORD YEAR	1943	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	8,240	12,340	13,020	13,180	13,470	14,980	18,180	19,74	20,670	21,170	23,230	31,160	44,780
NORMALIZED MAX	3,260	3,753	3,400	3,040	3,024	3,121	3,380	3,794	3,570	3,342	3,510	3,340	3,213
CALC. COEF. VAR	.449	.506	.500	.561	.500	.500	.506	.506	.500	.500	.500	.491	.495
REGN. COEF. VAR	.473	.531	.534	.585	.585	.585	.587	.587	.583	.582	.583	.519	.445
USED COEF. VAR	.473	.531	.534	.585	.585	.585	.587	.587	.583	.582	.583	.519	.445

MEAN/A	.1763	.2185	.2419	.2590	.2727	.2926	.3159	.3345	.3739	.3930	.4210	.6300	.1.0000
RPM1/A	.2917	.3732	.4400	.4550	.4792	.5183	.5500	.5910	.6503	.6778	.7476	.1.3773	.1.5995
RPM25/A	.3594	.5275	.5276	.5943	.6040	.7137	.7474	.7597	.8463	.8548	.9433	.1.2920	.1.2590
RPM50/A	.4041	.5366	.6045	.6493	.6773	.7421	.8245	.8622	.9334	.9694	.1.0914	.1.5269	.2.1887
RPM100/A	.4502	.6049	.6803	.7290	.7579	.8339	.9333	.9791	.1.0504	.1.0900	.1.2251	.1.7211	.2.4015
RPM1000/A	.5980	.8297	.9247	.9843	1.0145	1.1279	1.2962	1.3411	1.4785	1.6561	2.3441	3.1428	
RPM10000/A	.7400	1.0414	1.1621	1.2308	1.2905	1.4110	1.6309	1.6988	1.7939	1.8559	2.0746	2.9528	3.6336
PMP/A	1.4487	1.9880	2.2520	2.4544	2.5837	2.8387	3.0797	3.2190	3.4758	3.5885	3.9971	5.5415	7.0750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RND LOT SWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB TIS 7839 50 SAN MARCOS PASS TENNEY 3430 22 05N 28W S 34.800 119.817 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	20	30	50	100	300	W YR
2	6.79	5.83	6.33	7.21	6.67	11.45	24.98
5	7.14	9.12	10.05	11.50	13.78	18.47	36.56
10	8.71	11.40	12.58	14.37	17.13	23.14	44.56
20	10.43	13.59	14.99	17.08	20.27	27.55	52.24
25	10.85	14.28	15.75	17.97	20.23	29.85	54.67
50	11.40	15.12	17.38	19.60	21.81	31.19	62.72
80	12.00	16.40	18.07	20.51	24.21	33.13	62.10
100	13.44	18.46	20.33	23.22	27.09	37.22	69.41
200	14.79	20.54	22.36	25.49	29.91	41.24	76.62
1000	17.85	25.23	27.04	31.09	36.27	50.35	93.09
10000	22.11	31.82	36.74	38.67	45.09	63.02	116.23
PMP/A	43.24	59.85	67.32	77.51	92.36	125.93	214.62

MEAN	5.322	6.676	7.230	8.181	9.748	13.083	27.964
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000
CALCULATED SKW	1.534	1.398	1.292	1.174	1.085	1.888	1.496
REGIONAL SKW	1.300	1.800	1.400	1.300	1.200	1.300	1.800
SKW USED	1.300	1.800	1.400	1.300	1.200	1.300	1.800

KURTOSIS	6.092	4.933	4.217	3.528	8.187	7.223	8.178
N	30	30	30	30	30	30	30
RECORD YEAR	1943	1943	1943	1969	1969	1969	1969
RECORD MAXIMUM	11,820	16,670	17,390	20,450	35,080	40,550	64,630
NORMALIZED MAX	2.775	2.667	2.426	2.362	3.393	3.476	3.074
CALC. COEF. VAR	.449	.557	.579	.607	.623	.605	.427
REGN. COEF. VAR	.473	.531	.534	.583	.585	.585	.445
USED COEF. VAR	.473	.531	.534	.583	.585	.585	.445

MEAN/A	.1903	.2380	.2586	.2925	.3486	.4671	1.0000
RPM1/A	.3114	.4485	.4500	.8139	.8228	.8275	1.3933
RPM25/A	.3614	.5108	.5833	.8110	.8575	.9344	1.9190
RPM50/A	.4314	.5885	.6181	.7333	.8685	.9317	2.2207
RPM100/A	.4806	.6610	.7272	.8233	.9889	1.3312	2.4420
RPM1000/A	.6303	.9022	.9884	1.1116	1.2969	1.8000	3.3289
RPM10000/A	.7060	1.1380	1.2422	1.3900	1.6193	2.2938	4.1963
PMP/A	1.6464	2.1404	2.4072	2.7719	3.3028	4.8033	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 10 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
T15 7859 65

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BHM	LATITUDE	LONGITUDE	COUNTY	CODE
SAN MARCOS PASS TROUT CLB	1200	27	05N	28W		S	34°48'	119°8.00	42	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	H YR
2	3.78	4.69	5.45	22.47
5	5.84	7.35	8.65	32.72
10	8.88	9.9	10.93	35.12
20	8.05	10.95	12.90	44.92
25	8.41	11.51	13.51	48.04
40	9.17	12.67	14.91	52.24
50	9.53	13.21	15.55	54.20
100	10.62	14.81	17.50	60.21
200	11.66	16.54	19.42	66.10
500	14.10	20.33	23.71	79.43
1000	17.48	25.64	29.09	96.03
PMP	34.16	46.22	57.93	190.24

MEAN	4.204	5.379	6.223	24.787
CLOCK HR. COR.	1.140	1.372	1.040	1.000
CALCULATED SKEW	1.494	1.486	1.168	
REGIONAL SKEW	1.300	1.300	1.400	1.300
SKEW USED	1.300	1.300	1.400	1.300

KURTOSIS	8.358	5.140	4.088	3.434
N	21	18	17	2
RECORD YEAR	1969	1969	1969	1969
RECORD MAXIMUM	9,500	11,480	13,180	82,440
NORMALIZED MAX	2.454	2.442	2.140	2.343
CALC. COEF. VAR	.475	.463	.518	.471
REGN. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445

MEAN/A	.1698	.2170	.2510	1.0000
RP10/A	.2775	.3706	.4369	1.5959
RP25/A	.3394	.4642	.5470	1.9302
RP50/A	.3844	.5531	.6273	2.1866
RP100/A	.4283	.6007	.7060	2.4289
RP1000/A	.5688	.8200	.9597	3.2052
RP10000/A	.7045	1.0342	1.2080	3.9547
PMP/A	1.3760	1.9453	2.3372	7.0750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
8SN ORDER SUB  
T15 7902 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BHM	LATITUDE	LONGITUDE	COUNTY	CODE
SANTA BARBARA	404	100	04N	27W		S	34°41'	119°700	42	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.87	3.43	3.81	3.97	4.27	4.44	4.65	5.07	5.73	6.14	7.52	9.94	16.33
5	4.28	5.37	6.05	6.34	6.86	7.15	7.81	8.22	9.09	9.67	11.46	15.43	23.71
10	6.40	8.71	10.76	11.91	12.43	13.49	14.95	16.04	18.38	19.47	21.47	26.21	35.46
20	8.40	8.00	9.03	9.40	9.97	10.85	11.61	12.49	13.58	14.35	17.16	22.65	35.07
25	6.38	8.41	9.46	9.87	10.45	11.19	12.23	13.15	14.24	15.07	18.00	24.00	34.49
40	6.98	9.25	10.43	10.84	11.44	12.56	13.53	14.53	15.67	16.58	19.75	26.40	37.61
50	7.23	9.85	10.68	11.29	11.91	12.81	14.13	15.18	16.33	17.26	20.57	27.52	38.77
100	8.05	10.89	12.24	12.68	13.33	14.40	15.00	17.17	18.38	19.41	23.10	30.98	42.94
200	8.66	12.05	13.58	14.02	14.71	15.95	17.84	19.13	20.39	21.52	25.40	34.68	47.00
500	14.00	14.15	17.64	19.15	21.61	22.85	23.81	24.98	25.32	26.42	32.40	56.19	
1000	18.25	18.73	20.91	21.41	22.16	24.36	27.96	29.91	31.59	33.05	39.11	53.16	86.90
PMP	25.91	35.22	40.92	42.69	48.43	49.71	53.09	56.70	60.62	63.90	75.35	99.74	172.22

MEAN	3.189	3.929	4.353	4.805	4.794	5.053	5.415	5.882	6.543	6.999	8.310	11.368	17.879
CLOCK HR. COR.	1.100	1.370	1.000	1.080	1.080	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.294	1.093	1.077	1.095	1.101	1.024	1.04	1.088	1.122	1.142	1.131	1.136	
REGIONAL SKEW	1.500	1.500	1.400	1.400	1.400	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200

KURTOSIS	4.854	4.244	3.994	4.121	4.007	4.959	4.746	3.921	4.552	4.306	3.996	3.842	4.386
N	78	78	78	78	78	78	78	78	78	78	78	78	
RECORD YEAR	1974	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	
RECORD MAXIMUM	6,950	9,000	10,910	10,910	11,210	13,230	14,260	14,270	17,270	17,330	20,310	27,810	45,250
NORMALIZED MAX	2.795	3.039	3.236	3.108	2.834	3.327	3.414	2.984	3.447	3.096	2.782	2.966	3.536
CALC. COEF. VAR	.422	.431	.465	.457	.480	.486	.479	.476	.477	.477	.498	.499	.433
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.446
USED COEF. VAR	.475	.531	.554	.565	.566	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.1764	.2197	.2435	.2520	.2662	.2926	.3020	.3290	.3660	.3914	.4765	.6352	.10000
RP10/A	.2918	.3753	.4237	.4426	.4713	.5006	.5399	.5871	.6365	.6750	.8098	1.0747	1.5965
RP25/A	.3570	.4701	.5304	.5521	.5844	.6256	.6643	.7337	.7966	.8429	1.0087	1.3425	1.9290
RP50/A	.4643	.5398	.6084	.6316	.6661	.7167	.7905	.8469	.9135	.9655	1.1500	1.3934	2.1667
RP100/A	.4504	.5803	.6847	.7091	.7453	.8055	.8949	.9801	1.0280	1.0655	1.2916	1.7330	2.4015
RP1000/A	.5982	.8304	.9307	.9578	.9977	1.0802	1.2332	1.3206	1.3971	1.4244	1.7462	2.3806	3.1424
RP10000/A	.7408	1.0474	1.1696	1.1973	1.2397	1.3634	1.5433	1.6743	1.7575	1.8463	2.1867	2.9732	3.8630
PMP/A	1.4492	1.9700	2.2688	2.3875	2.5406	2.7243	2.9693	3.1716	3.4017	3.5737	4.2147	5.3797	7.8750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 715 8415 0 SOUTH PORTAL 231 392 1950 33 05N 07W S 34°45'57" 119°47'00" 42

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	4.01	5.45	5.82	6.29	6.71	7.18	7.55	8.61	9.00	10.74	14.86	24.44
5	6.05	7.53	8.66	9.29	10.00	10.80	11.74	12.25	13.67	14.17	16.69	23.05	35.49
10	7.37	9.61	10.83	11.60	12.43	13.52	14.89	15.49	17.11	17.68	20.69	28.71	42.73
20	8.63	11.26	12.91	13.79	14.71	16.10	17.92	18.61	20.38	21.02	24.53	34.15	59.52
25	9.02	11.7	13.56	14.77	15.96	16.90	18.68	19.59	21.4	22.3	25.73	35.15	53.05
40	9.83	12.98	14.65	15.89	16.56	17.57	19.36	20.81	22.55	24.26	27.29	39.45	60.01
50	10.58	13.53	15.25	16.56	17.55	18.68	20.56	22.1	24.56	26.29	29.41	41.13	58.01
100	11.58	15.25	17.50	18.59	19.66	21.75	24.68	25.57	27.66	28.42	33.02	46.30	64.28
200	12.52	16.95	19.62	20.58	21.71	24.10	27.52	28.69	30.67	31.52	36.56	51.60	70.37
1000	15.11	20.82	23.79	25.10	26.32	29.42	34.01	35.17	37.56	38.36	44.63	63.06	84.12
10000	18.72	26.26	29.90	31.38	32.70	36.83	43.13	44.56	47.26	48.49	55.92	79.43	103.15
PMP	36.61	49.39	57.95	62.58	67.03	73.58	81.90	84.46	91.45	93.58	107.72	149.07	205.44

MEAN	4.500	5.509	6.224	6.605	7.074	7.633	8.353	8.762	9.839	10.250	12.179	16.969	26.767
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.661	2.256	1.716	1.501	1.342	1.697	2.240	2.148	1.950	2.133	1.743	1.242	1.212
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.500	1.200

KURTOSIS	6.803	8.822	6.115	5.028	4.255	5.928	9.384	8.814	7.762	8.772	6.811	5.406	4.016
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1943	1943	1943	1943	1943	1959	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	10.820	16.860	17.710	16.000	18.260	23.880	31.710	31.710	33.130	34.610	36.440	47.770	50.520
NORMALIZED MAX	2.679	3.277	3.003	2.782	2.494	3.214	3.932	3.847	3.665	3.831	3.597	3.346	2.653
CALC. COEF. VAR	.523	.629	.615	.624	.635	.662	.711	.681	.686	.620	.555	.582	.447
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	+1683	+2058	+2325	+2468	+2643	+2852	+3121	+3273	+3676	+3829	+4550	+6340	+1.0000
RP2/A	+2754	+3515	+4047	+4334	+5051	+5363	+5767	+6393	+6604	+7731	+1.0723	+1.0723	+1.0765
RP5/A	+3384	+4444	+5047	+5467	+5780	+6315	+7171	+7310	+7589	+8633	+9603	+1.0920	+1.0920
RP10/A	+5056	+6811	+7485	+8584	+8814	+9166	+9175	+9445	+9545	+1.0230	+1.0565	+1.0565	+1.0565
RP100/A	+4251	+5698	+6539	+6944	+8126	+9221	+9553	+1.0251	+1.0619	+1.2335	+1.7297	+2.0153	+2.0153
RP1000/A	+5646	+7778	+8889	+9376	+9832	+1.0922	+1.2700	+1.3141	+1.4032	+1.4044	+1.6674	+2.3559	+3.1426
RP10000/A	+6993	+9810	1.1171	1.1725	1.2218	1.3758	1.6114	1.6846	1.7633	1.8081	2.0490	2.9676	3.8536
PMP/A	1.3678	1.8452	2.1648	2.3380	2.5041	2.7491	3.0598	3.1555	3.4165	3.4962	4.0245	5.5693	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 712 1558 12 CASITAS RANCH 4 524 400 06 03N 23W 0 S 34°36'59" 119°33'57" 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.74	4.50	5.03	5.46	5.83	6.10	6.56	6.95	7.83	8.36	9.69	13.22	20.50
5	5.56	7.02	7.96	8.68	9.22	9.77	10.40	11.13	12.28	13.00	14.80	20.22	29.57
10	6.75	8.73	9.92	10.79	11.40	12.16	13.25	13.87	15.14	15.99	18.03	24.73	35.31
20	7.87	10.38	11.76	12.77	13.43	14.44	15.72	16.43	17.80	18.75	21.00	28.91	40.59
25	8.22	10.88	12.34	13.38	14.05	15.14	16.50	17.24	18.63	19.62	21.92	30.21	42.22
40	8.93	11.94	13.54	14.66	15.46	16.59	18.09	18.89	19.63	20.05	24.23	34.84	45.58
50	9.27	12.44	13.98	15.35	16.79	17.97	19.21	19.86	20.56	21.22	22.23	34.94	47.16
100	10.30	13.98	15.82	17.07	18.80	20.00	21.12	22.02	23.53	24.75	27.36	37.84	51.57
200	11.30	15.49	17.51	18.84	19.60	21.37	23.34	24.33	25.88	27.20	29.94	41.64	56.46
1000	13.55	18.92	21.32	22.85	23.62	25.94	28.36	29.53	31.16	32.71	35.72	49.95	66.71
16.69	23.72	26.64	28.39	29.18	32.26	35.32	36.73	38.43	40.29	43.62	51.38	68.75	80.75
PMP	33.52	45.78	53.01	58.19	61.40	66.28	72.68	75.44	80.81	84.53	93.77	128.09	165.75

MEAN	4.128	5.106	5.694	6.141	6.489	6.874	7.413	7.826	8.694	9.258	10.600	14.580	22.118
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.535	1.953	2.042	1.912	1.884	1.773	2.007	1.971	1.816	1.761	1.473	1.329	1.120
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.000	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.000	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000

KURTOSIS	6.590	7.890	8.248	7.045	6.329	6.173	7.335	7.178	6.539	6.432	5.341	4.656	3.603
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1943	1943	1943	1943	1943	1943	1949	1962	1969	1969	1969	1969	1969
RECORD MAXIMUM	10.250	15.270	18.270	18.930	18.930	19.730	23.880	24.460	25.430	27.910	29.250	39.550	46.020
NORMALIZED MAX	3.029	3.512	3.668	3.287	3.167	2.914	3.437	3.398	3.197	3.351	3.201	2.600	
CALC. COEF. VAR	.490	.567	.602	.634	.609	.642	.666	.626	.602	.601	.550	.535	.450
REGN. COEF. VAR	.475	.531	.554	.565	.565	.565	.576	.587	.576	.553	.562	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.565	.576	.587	.576	.553	.562	.519	.445

MEAN/A	+1865	+2309	+2574	+2777	+2934	+3108	+3352	+3538	+3931	+4186	+4793	+6592	+1.0000
RP2/A	+3093	+3947	+4484	+4879	+5156	+5507	+5989	+6270	+6846	+7228	+8152	+1.1180	+1.5965
RP5/A	+3715	+4917	+5401	+5851	+6165	+6459	+7052	+7392	+7803	+8204	+8801	+1.0550	+1.3347
RP10/A	+4655	+5629	+6377	+7153	+7717	+8050	+8745	+9548	+9957	+1.0640	+1.1184	+1.4246	+2.1312
RP100/A	+6131	+8555	+9841	+1.0330	+1.0800	+1.1727	+1.2824	+1.3351	+1.4090	+1.4789	+1.6150	+2.2582	+3.0163
RP1000/A	+7546	+1.0726	+1.2043	+1.2636	+1.3165	+1.4866	+1.5967	+1.7375	+1.8217	+1.			

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB U02 2399 0 DENNISON RANCH 64 540 1250 17 04N 22W A S 34°42'22" 119°19'56" 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.50	4.38	4.98	5.30	5.72	5.93	6.21	6.70	7.60	8.08	9.50	12.67	19.62
5	4.20	6.84	7.85	8.42	9.05	9.50	10.02	10.70	11.92	12.87	14.31	18.37	26.30
10	6.31	8.51	9.78	10.46	11.19	11.84	12.52	13.41	14.70	15.46	17.67	23.69	33.79
20	7.35	10.10	11.60	12.37	13.18	14.03	14.87	15.80	17.28	18.15	20.59	27.79	38.85
25	7.68	10.60	12.17	12.97	13.80	14.71	15.60	16.66	18.08	18.98	21.49	26.95	40.41
40	8.35	11.64	13.35	14.21	14.11	16.13	17.11	18.20	18.47	19.39	23.34	29.56	43.62
50	8.66	12.12	13.90	14.70	15.67	16.79	17.81	19.01	20.50	21.50	24.29	32.71	45.11
100	9.62	13.62	15.60	16.54	17.48	18.80	19.96	21.29	22.84	23.94	26.81	36.35	49.64
200	10.29	15.44	17.20	18.26	19.24	20.29	22.07	23.28	25.32	26.81	29.39	34.43	49.03
1000	12.70	18.74	21.70	23.29	23.19	24.21	24.82	25.93	30.35	31.04	32.01	37.85	54.03
10000	15.60	23.12	26.26	27.52	28.63	31.36	33.39	35.51	37.30	38.98	42.76	58.81	77.28
PMP	31.32	44.61	52.25	56.40	60.35	64.40	68.71	72.93	78.44	81.76	91.90	122.72	162.46

MEAN	3.855	4.976	5.613	5.992	6.389	6.686	7.008	7.355	8.439	8.986	10.390	13.969	21.168
CLOCK HRS COR.	1.40	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.243	1.995	1.556	1.101	1.027	1.046	1.184	1.183	1.183	1.183	1.247	1.000	.874
REGIONAL SKW	1.200	1.400	1.300	1.200	1.160	1.120	1.100	1.090	1.090	1.090	1.000	1.000	1.000
USED SKW USED	1.200	1.400	1.300	1.200	1.160	1.120	1.100	1.090	1.090	1.090	1.000	1.000	1.000

KURTOSIS	4.507	4.767	4.168	3.559	3.461	3.559	4.207	4.551	4.084	3.491	4.228	4.589	3.270
N	67	56	46	69	59	60	69	69	69	69	70	70	70
RECORD YEAR	1914	1914	1918	1918	1918	1919	1919	1919	1919	1919	1914	1969	1914
RECORD MAXIMUM	8,920	12,920	14,500	14,500	15,760	17,450	20,850	22,350	23,560	23,790	27,980	40,170	46,260
NORMALIZED MAX	2,732	2,961	2,826	2,559	2,637	2,652	3,396	3,310	3,150	2,958	2,953	3,353	2,638
CALC. COEF. VAR	.481	.539	.560	.561	.559	.565	.562	.590	.569	.573	.559	.449	
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.519	.445	

MEAN/A	.1821	.2351	.2651	.2812	.3009	.3156	.3311	.3574	.3987	.4231	.4908	.6599	1.0000
RP10/A	.2980	.4019	.4018	.4941	.5289	.5593	.5916	.6333	.6943	.7305	.8349	1.1192	1.5965
RP25/A	.3627	.5007	.5748	.6120	.6521	.6951	.7368	.7871	.8541	.8867	1.0152	1.3075	1.9690
RP50/A	.4093	.5728	.6560	.6984	.7403	.7930	.8415	.8980	.9686	1.0158	1.1434	1.5452	2.1112
RP100/A	.4545	.6434	.7366	.7815	.8256	.8801	.9431	1.0057	1.0792	1.1308	1.2617	1.7171	2.3450
RP1000/A	.5986	.8710	.9330	1.0461	1.0944	1.1909	1.2686	1.3486	1.4291	1.6497	1.6540	2.2605	3.0183
RP10000/A	.7367	1.0622	1.2408	1.2999	1.3823	1.4813	1.5773	1.6777	1.7626	1.8610	2.0200	2.6503	3.6508
PMP/A	1.4795	2.1974	2.4685	2.6842	2.8510	3.0423	3.2462	3.4462	3.6080	3.8626	4.8144	5.7975	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB U02 4568 51 KINGSTON RESERVOIR 122 840 29 03N 19W K S 34.315 118.867 56

## MAXIMUM PRECIPITATION FOR INDIATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	3.24	3.71	4.14	4.43	4.67	4.90	5.12	5.31	6.26	6.65	7.57	10.30	16.18
5	4.63	5.81	6.58	7.07	7.41	7.88	8.38	9.94	10.47	11.74	15.98	23.49	
10	6.89	7.26	8.23	8.83	9.21	9.67	10.62	11.31	12.43	13.09	15.47	19.91	28.29
20	6.89	8.66	9.81	10.49	10.90	11.75	12.76	13.56	14.81	15.83	17.27	23.68	32.78
25	7.20	9.16	10.30	11.01	11.43	12.34	13.47	14.30	15.56	16.31	18.12	24.87	34.18
40	7.85	10.02	11.33	12.09	12.52	13.58	14.87	15.80	17.11	17.92	19.88	27.36	37.07
50	8.18	10.45	11.82	12.59	13.02	14.13	15.50	16.50	17.84	18.68	20.71	26.52	36.43
100	9.09	11.30	13.30	14.14	14.37	15.88	16.16	18.07	20.00	21.40	23.35	32.14	42.25
200	10.00	12.08	13.08	14.15	14.79	16.19	17.64	20.00	22.28	24.29	27.75	34.45	46.88
1000	12.67	16.07	18.08	19.09	19.51	21.48	24.27	25.60	27.29	28.69	31.43	43.73	55.06
10000	14.95	20.27	22.72	23.87	24.24	26.89	30.77	32.53	34.29	35.76	39.38	55.09	68.28
25	29.23	38.11	44.02	47.61	49.68	53.72	58.43	61.66	66.45	69.15	75.86	103.34	135.99

MEAN	3.598	4.253	4.728	5.025	5.243	5.373	5.960	6.396	7.148	7.574	8.576	11.768	17.719
CLOCK HRS COR.	1.140	1.670	1.040	1.030	1.020	1.010	1.010	1.010	1.010	1.010	1.010	1.000	1.000
CALCULATED SKW	1.052	1.860	1.304	1.336	1.332	1.388	1.405	1.330	1.510	1.372	1.291	1.966	.842
REGIONAL SKW	1.500	1.500	1.490	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
USED SKW USED	1.500	1.500	1.490	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	4.410	6.416	4.673	4.466	4.544	4.167	4.989	4.499	5.402	4.851	4.494	3.402	3.530
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1913	1943	1943	1962	1962	1962	1969	1969	1962	1962	1969	1969	1941
RECORD MAXIMUM	7,770	12,220	13,130	13,610	14,460	14,460	16,930	17,700	20,290	20,320	21,080	27,750	36,190
NORMALIZED MAX	2,460	3,210	2,909	2,647	2,700	2,818	2,749	2,933	2,785	2,710	2,679	2,626	
CALC. COEF. VAR	.471	.584	.611	.661	.651	.689	.668	.646	.627	.604	.538	.507	.438
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.576	.583	.542	.523	.519
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.576	.583	.542	.523	.448

MEAN/A	.2031	.2400	.2669	.2836	.2959	.3145	.3363	.3610	.4034	.4275	.4840	.6641	1.0000
RP10/A	.3322	.4100	.4645	.4981	.5200	.5571	.5994	.6382	.7017	.7372	.8224	1.1237	1.5965
RP25/A	.4064	.5136	.5814	.6214	.6450	.6965	.7600	.8071	.8781	.9204	1.0226	1.4038	1.9290
RP50/A	.4602	.5897	.6669	.7108	.7350	.7976	.8780	.9313	1.0071	1.0543	1.1689	1.8097	2.1687
RP100/A	.5120	.6644	.7505	.7981	.8225	.8965	.9736	1.0534	1.1352	1.1854	1.3122	1.8121	2.4015
RP1000/A	.6810	.9211	1.0281	1.0747	1.1010	1.2123	1.2616	1.3582	1.4582	1.5709	1.7709	2.4041	3.1816</

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB U02 5408 1 MATILJA DAM 1040 34°48' 119°30' S6

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.97	5.11	5.60	6.07	6.51	6.52	6.93	7.37	8.73	9.39	11.37	14.77	22.42
5	5.90	7.98	8.87	9.64	10.29	10.45	11.19	11.81	13.69	14.60	17.36	22.59	32.34
10	7.16	9.92	11.04	11.98	12.73	13.03	13.98	14.72	16.88	17.96	21.15	27.63	38.61
20	8.81	11.88	13.44	14.17	15.48	15.82	17.17	17.81	19.55	20.55	23.05	29.71	34.76
25	8.71	12.34	13.75	14.86	15.69	16.19	17.41	18.30	20.77	22.05	25.71	33.76	44.17
40	9.48	13.57	15.08	16.27	16.04	17.75	19.10	20.06	21.22	22.52	27.93	34.47	49.84
50	9.83	14.14	15.71	16.93	17.82	18.64	19.88	20.88	23.55	24.97	28.99	38.15	51.54
100	10.92	15.89	17.62	18.95	19.87	20.69	22.29	23.38	26.24	27.80	32.09	42.39	56.72
200	11.98	17.60	19.50	20.92	21.87	22.85	24.63	25.83	28.86	30.56	35.12	46.52	61.73
1000	14.38	21.51	23.75	25.36	26.36	27.74	29.93	31.35	34.75	36.75	41.90	55.81	72.95
10000	17.70	26.97	29.67	31.52	32.55	34.50	37.27	39.08	42.85	45.27	51.17	68.59	88.30
PMP	39.55	52.03	55.03	64.80	68.61	70.86	76.70	80.09	90.10	94.90	109.97	143.12	185.62

MEAN	4.375	5.804	6.341	6.818	7.241	7.351	7.823	8.308	9.694	10.401	12.433	16.291	24.185
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.057	1.389	1.428	1.259	1.145	1.177	1.032	1.056	.778	.738	.933	.947	.742
REGIONAL SKEW	1.260	1.460	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000

KURTOSIS	4.290	5.714	5.380	4.207	4.071	4.452	3.752	3.735	2.810	2.841	3.448	3.487	2.874
N	58	60	59	59	61	62	60	61	62	62	61	62	69
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1914	1914	1914	1914	1914
RECORD MAXIMUM	9.500	12.700	19.400	19.400	20.000	20.000	20.000	22.700	25.200	34.000	43.000	50.000	50.000
NORMALIZED MAX	2.590	3.536	3.492	3.028	3.062	3.036	3.036	3.046	2.445	2.600	3.144	3.531	2.566
CALC. COEF. VAR	.457	.573	.607	.623	.582	.560	.548	.550	.551	.551	.555	.531	.428
REON. COEF. VAR	.475	.531	.554	.565	.565	.576	.576	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.576	.576	.553	.542	.523	.519	.445

MEAN/A	1.809	2.400	2.622	.2819	.2994	.3039	.3235	.3425	.4008	.4301	.5141	.6726	1.0000
RP10/A	.2961	.4103	.4567	.4954	.5263	.5368	.5786	.6088	.6980	.7426	.8744	1.1424	.9165
RP25/A	.3603	.5111	.5684	.6144	.6489	.6694	.7198	.7566	.8587	.9116	1.0632	.9395	1.0900
RP50/A	.4069	.5848	.6495	.7002	.7367	.7637	.8222	.8632	.9737	1.0328	1.1975	1.5773	2.1312
RP100/A	.4515	.6569	.7286	.7835	.8216	.8553	.9214	.9667	1.0850	.1495	1.3267	1.7527	2.3450
RP1000/A	.5946	.8892	.9820	1.0488	1.0900	1.1469	1.2377	1.2983	1.4367	1.5194	1.7323	2.3075	3.0163
RP10000/A	.7319	1.1150	1.2266	1.3032	1.3457	1.4266	1.5410	1.6124	1.7717	1.8717	2.1156	2.8358	3.6508
PMP/A	1.4697	2.1514	2.4409	2.6710	2.8369	2.9300	3.1715	3.3116	3.7255	3.9265	4.5468	5.9177	7.6750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB U02 6399 0 OJAI 750 12 04N 23W C S 34°44' 119°24' S6

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.48	4.26	4.80	5.12	5.42	5.70	6.18	6.56	7.45	8.03	9.48	12.60	19.57
5	9.16	6.65	7.60	8.13	8.58	9.13	9.98	10.51	11.68	12.49	14.47	19.28	26.22
10	6.22	8.27	7.47	10.43	10.61	11.37	12.57	13.09	14.62	15.38	17.70	23.57	33.70
20	7.61	9.82	11.23	11.96	12.53	13.08	14.13	15.52	16.27	17.71	18.85	21.44	26.80
25	7.63	10.30	11.78	12.53	13.08	14.13	15.52	16.27	17.71	18.85	21.44	26.80	34.29
40	8.30	11.31	12.93	13.73	13.38	15.49	17.03	17.83	18.19	19.25	22.49	29.81	43.50
50	8.61	11.79	13.46	14.29	14.85	16.13	17.73	18.56	20.09	21.38	24.15	32.55	44.99
100	9.56	13.24	15.10	15.99	16.58	18.06	19.87	20.79	22.38	23.78	26.78	36.17	49.50
200	10.49	14.67	16.71	17.65	18.29	19.95	21.97	22.77	24.62	26.13	29.28	39.69	53.88
1000	12.59	17.72	20.43	21.90	21.49	22.22	25.60	27.68	31.44	34.14	37.41	47.11	53.57
10000	15.00	22.44	25.28	26.59	28.07	30.13	33.23	34.36	36.55	37.71	42.66	50.52	77.06
PMP	31.13	41.36	50.59	54.49	57.17	61.87	68.40	71.22	76.06	81.21	91.70	122.11	162.00

MEAN	3.831	4.837	5.434	5.751	6.034	6.418	6.976	7.388	8.268	8.895	10.367	13.899	21.108
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.401	1.329	1.305	1.201	1.086	1.385	1.770	1.653	1.572	1.666	1.523	1.696	1.306
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000

KURTOSIS	3.33	33	33	33	33	33	33	33	33	33	33	33	33
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1948	1935	1934	1932	1931	1925	1919	1909	1900	1899	1898	1897	1896
RECORD MAXIMUM	7.900	12.390	14.300	14.300	14.850	16.170	23.400	23.89	19.70	27.600	29.380	40.910	47.200
NORMALIZED MAX	2.124	2.716	2.722	2.422	2.276	2.862	3.467	3.358	3.277	3.417	2.991	3.209	2.386
CALC. COEF. VAR	.500	.575	.599	.614	.621	.640	.677	.668	.635	.622	.613	.606	.519
REON. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.1815	.2291	.2575	.2725	.2859	.3040	.3305	.3500	.3917	.4214	.4911	.6585	1.0000
RP10/A	.2971	.3918	.4485	.4786	.5025	.5398	.5905	.6203	.6822	.7277	.8354	1.1168	1.5965
RP25/A	.3615	.4880	.5592	.5938	.6195	.6696	.7355	.7799	.8392	.8932	.10150	1.3645	1.7090
RP50/A	.4079	.5853	.6378	.6768	.7036	.7640	.8040	.8795	.9517	.1.0108	1.1441	1.5419	2.1312
RP100/A	.4530	.6272	.7155	.7573	.7864	.8555	.9415	.9855	.1.0604	1.1264	1.2575	1.7134	2.3450
RP1000/A	.5966	.8491	.9643	1.0137	1.0407	1.1473	1.2646	1.3208	1.4041	1.4889	1.6559	2.2557	3.0163
RP10000/A	.7343	1.0646	1.2045	1.2596	1.2849	1.4271	1.5745	1.6429	1.7315	1.8341	2.0243	2.7722	3.6508
PMP/A	1.4747	2.0543	2.3970	2.5816	2.7007	2.9310	3.2405	3.3742	3.6411	3.8475	4.3444	5.7849	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85N ORDER 5UB 1 OJAI-MALLORY 29 750 01 04N 28W N 5 34°45' 119°24' 56

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	100D
2	3.04	3.71	4.22	4.62	5.00	5.16	5.43	5.76	6.53	7.00	8.20	10.83	16.76
5	4.54	5.82	6.70	7.37	7.95	8.30	8.89	9.34	10.37	12.72	16.80	24.34	33.96
10	5.53	7.27	8.39	9.21	9.88	10.40	11.27	11.82	12.98	13.75	15.79	20.92	29.31
20	6.47	8.67	9.99	10.94	11.69	12.38	13.57	14.19	15.46	16.34	18.71	24.89	33.96
25	6.77	9.11	10.50	11.49	12.26	13.00	14.29	14.95	16.24	17.16	19.63	26.14	35.41
40	7.38	10.03	11.53	12.61	13.42	14.29	15.80	17.51	18.78	18.86	21.54	28.75	38.41
50	7.67	10.46	12.04	13.15	13.97	14.89	16.51	17.24	18.62	19.66	22+*	29.97	39.81
100	8.54	11.30	12.85	14.15	15.63	16.73	18.40	19.50	20.98	22+*	25.19	33.4	40.9
200	9.40	12.09	13.54	14.86	15.26	16.24	17.84	19.26	20.51	21.79	24.46	31.46	46.27
1000	11.34	16.05	18.42	19.92	20.92	22.63	25.75	28.63	29.98	30.95	45.96	57.69	
10000	14.05	20.29	23.15	24.91	26.00	28.33	32.65	33.99	35.79	37.64	42.66	57.89	70.75
PMP	27.48	38.16	44.86	49.68	53.28	56.60	62.01	64.43	69.35	72.77	82.19	108.64	140.90

MEAN	3.382	4.257	4.819	5.243	5.624	5.872	6.325	6.684	7.461	7.971	9.293	12.366	18.359
CLOCK HR. COR.	1.448	1.070	1.024	1.038	1.089	1.092	1.074	1.083	1.044	1.049	1.002	1.082	1.030
CALCULATED SKEW	1.485	1.024	1.038	1.089	1.092	1.074	1.083	1.044	1.049	1.002	1.082	1.030	
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.200	
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.200	

KURTOSIS	3.611	3.055	3.849	3.744	3.423	3.819	7.314	7.388	6.849	5.368	5.073	5.344	4.385
N	73	73	73	72	72	73	73	73	73	73	73	73	75
RECORD YEAR	1969	1907	1969	1962	1962	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7,440	9,050	11,660	12,850	14,050	14,760	21,770	23,110	24,520	24,650	27,840	37,360	43,770
NORMALIZED MAX	2,688	2,335	2,599	2,638	2,785	2,822	4,325	4,339	4,203	3,895	3,746	3,907	3,268
CALC. COEF. VAR	.446	.482	.546	.550	.538	.536	.565	.566	.544	.537	.533	.517	.426
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.1842	.2319	.2625	.2856	.3063	.3198	.3445	.3641	.4064	.4342	.4662	.5676	1.0000
RP10/A	.3014	.3960	.4568	.5017	.5383	.5665	.6141	.6437	.7088	.7487	.8600	1.1397	1.5965
RP25/A	.3687	.4961	.5719	.6258	.6676	.7082	.7788	.8141	.8846	.9349	.10594	1.4238	1.9290
RP50/A	.4176	.5691	.6559	.7159	.7608	.8111	.8992	.9393	.1.0145	.1.0708	1.2224	1.6371	2.1687
RP100/A	.4652	.6484	.7728	.8057	.8514	.9114	1.0622	1.1411	1.2141	1.2922	1.4222	1.6331	2.0515
RP1000/A	.5019	.8742	1.0238	1.0521	1.1296	1.2076	1.4228	1.5716	1.7298	1.8759	2.0533	2.4126	
RP10000/A	.5553	1.1051	1.2609	1.3570	1.4161	1.5161	1.7768	1.9494	2.1977	2.4500	2.3240	3.1535	3.9536
PMP/A	1.4969	2.0787	2.4436	2.7060	2.9023	3.0833	3.3778	3.5096	3.7777	3.9640	4.4771	5.9176	7.6750

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85N ORDER 5UB 1 SELBY SANTA ANA VLY 44 660 13 04N 24W M 5 34°42' 119°34' 56

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.98	4.48	4.93	5.35	5.58	5.87	6.25	6.66	7.51	7.98	9.36	12.81	20.11
5	5.92	6.99	7.80	8.30	8.83	9.41	10.10	10.67	11.78	12.41	14.29	19.60	29.01
10	7.19	8.69	9.71	10.57	10.93	11.72	12.62	13.30	14.52	15.26	17.41	23.97	34.64
20	8.33	10.32	11.52	12.51	12.87	13.89	14.98	15.76	17.07	17.91	20.28	28.02	39.81
25	8.75	10.83	12.09	13.12	13.47	14.57	15.72	16.57	17.87	18.73	21.17	29.29	41.42
40	9.51	11.89	13.26	14.36	15.77	15.97	17.24	18.11	18.26	19.13	22.99	29.90	44.71
50	9.67	12.39	13.81	14.95	15.29	16.62	17.98	18.85	20.26	21.58	26.26	32.12	44.24
100	10.96	13.31	15.30	17.32	18.70	19.96	20.12	21.32	22.58	24.62	28.41	36.77	50.88
200	12.03	15.42	17.15	18.77	20.33	22.24	23.22	24.83	26.98	28.91	34.36	55.38	
1000	14.44	18.84	20.89	22.39	22.63	24.96	27.02	28.31	29.89	31.22	34.49	48.41	65.44
10000	17.77	23.62	26.09	27.92	27.94	31.05	33.64	35.22	36.86	38.46	42.12	59.50	79.20
PMP	35.68	45.58	51.92	57.02	58.90	63.76	69.24	72.33	77.52	80.68	90.52	124.16	166.51

MEAN/A	4.392	5.084	5.576	6.018	6.216	6.615	7.062	7.503	8.340	8.937	10.234	14.133	21.695
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.408	1.601	1.441	1.422	1.455	1.630	1.884	1.817	1.773	1.658	1.446	1.203	1.248
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000

KURTOSIS	6.805	6.396	4.927	5.038	5.238	5.620	6.950	6.727	6.393	6.143	5.063	4.085	4.140
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1952	1958	1943	1982	1962	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	10,200	13,840	14,820	16,890	17,890	19,060	23,080	24,177	25,700	26,450	28,050	36,720	51,200
NORMALIZED MAX	2,800	3,222	2,808	3,000	3,203	3,023	3,520	3,543	3,464	3,475	3,249	3,083	2,934
CALC. COEF. VAR	.472	.535	.590	.602	.586	.622	.644	.627	.601	.574	.536	.518	.464
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.2024	.2343	.2570	.2774	.2865	.3049	.3255	.3458	.3844	.4073	.4717	.6514	1.0000
RP10/A	.3313	.4006	.4477	.4874	.5036	.5403	.5816	.6129	.6695	.7034	.8024	.1.048	1.5969
RP25/A	.4032	.4951	.5572	.6045	.6209	.6715	.7244	.7617	.8236	.8634	.9757	.1.3498	1.9090
RP50/A	.4550	.5710	.6367	.6969	.7050	.7661	.8023	.8690	.9339	.9700	.1.0498	1.5253	2.1312
RP100/A	.5053	.6441	.7143	.7604	.7862	.8090	.8592	.9132	.9680	.1.0174	.1.1740	1.2510	2.1043
RP1000/A	.6190	1.0887	1.2025	1.2821	1.2877	1.4310	1.5508	1.6232	1.6992	1.7728	1.9414	2.7425	3.6508
RP10000/A	1.6447	2.1008	2.3930	2.6281	2.7140	2.9391	3.1						

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TMP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
U02 9285 0	VENTURA	66	45					34.277	119.291	56	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.36	2.70	3.03	3.25	3.57	3.64	3.62	4.09	4.60	4.96	5.81	7.93	13,30
5	3.52	4.23	4.82	5.19	5.68	5.86	6.25	6.84	7.31	7.81	9.01	12.31	19,31
10	4.31	5.08	6.04	6.49	7.06	7.44	7.93	8.44	9.11	9.74	11.52	15.23	24,24
20	5.93	6.30	7.19	7.71	8.35	8.73	9.55	10.09	10.89	11.58	12.25	16.47	26,93
25	5.96	6.62	7.55	8.09	8.75	9.17	10.05	10.62	11.44	12.16	13.90	19.16	26,09
40	5.73	7.29	8.30	8.89	9.58	10.08	11.12	11.74	12.59	13.36	15.26	21.07	30,46
50	5.95	7.66	8.66	9.26	9.97	10.50	11.61	12.26	13.12	13.93	15.89	21.96	31,58
50	6.63	8.57	9.74	10.36	11.11	11.80	12.53	13.36	14.77	15.66	17.84	24.73	34,97
200	7.36	9.52	10.46	11.51	12.32	13.07	13.66	14.54	16.79	17.87	19.70	27.05	38,28
1000	8.61	11.69	13.24	14.03	14.94	15.96	18.12	18.07	21.24	21.42	33.68	45,76	
10000	10.91	14.75	16.64	17.55	18.56	19.98	22.98	24.16	25.22	26.67	30.21	42.42	55,11
PMP/A	21.34	27.74	32.26	34.99	38.04	39.92	43.63	45.80	48.87	51.56	58.21	79.61	111,75
MEAN	2.627	3.094	3.465	3.693	4.015	4.141	4.450	4.751	5.258	5.648	6.581	9.062	14,560
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.948	1.113	1.114	1.064	1.311	1.224	1.285	1.240	1.056	1.352	1.027	.842	.705
REGULATED SKEW	1.300	1.500	1.400	1.300	1.290	1.200	1.200	1.200	1.400	1.400	1.400	1.500	1,200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.400	1.400	1.400	1.400	1.500	1,200
KURTOSIS	4.510	4.978	3.770	3.941	5.544	4.991	5.326	4.986	6.651	5.528	4.350	3.191	3,979
N	54	54	55	55	54	54	54	54	54	54	55	55	108
RECORD YEAR	1958	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1951
RECORD MAXIMUM	5,210	6,900	7,360	8,850	11,530	11,610	12,430	12,740	15,560	16,710	19,760	36,710	
NORMALIZED MAX	2,553	2,858	2,420	2,945	3,567	3,418	3,453	3,389	3,873	3,635	3,395	2,511	3,351
CALC. COEF. VAR	.385	.430	.465	.474	.525	.526	.519	.496	.503	.483	.453	.470	
REGR. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1804	.2125	.2380	.2537	.2757	.2844	.3056	.3263	.3611	.3879	.4140	.4520	1,0000
RP10/A	.2952	.3630	.4142	.4456	.4864	.5038	.5448	.5769	.6280	.6689	.7680	.1,0531	.1,5955
RP25/A	.3611	.4547	.5105	.5558	.6010	.6298	.6906	.7297	.7866	.8352	.9550	.1,3156	.1,9290
RP50/A	.4089	.5221	.5946	.6358	.6849	.7213	.7977	.8420	.9014	.9567	.1,0916	.1,5086	2,1687
RP100/A	.4556	.5863	.6692	.7139	.7664	.8105	.9030	.9523	1,0144	1,0759	1,2523	.1,6983	.2,4015
RP1000/A	.6051	.8031	.9097	.9639	1,0255	1,0963	1,1455	1,3101	1,3786	1,4591	1,6564	2,3130	3,1426
RP10000/A	.7484	1,0129	1,1424	1,2053	1,2748	1,3723	1,5780	1,6959	1,7324	1,8316	2,0752	.2,9137	.8,6536
PMP/A	1,4658	1,0501	2,2124	2,4034	2,9127	2,7420	2,9995	3,1485	3,3366	3,5415	3,9979	5,6860	7,6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TMP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
U03 179 10	AMERICAN CRYSTAL 3	523	60					34.205	119.068	56	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	30	40	50	60	80	100	150	200	300	600	3650	
2	2.15	2.56	2.97	3.23	3.39	3.55	3.75	3.97	4.58	4.89	5.88	7.69	12,12	
5	3.19	4.40	5.13	5.35	5.36	5.68	5.65	6.05	7.68	7.60	8.96	11,47	17,75	
10	3.86	5.00	5.88	6.37	6.71	7.09	7.57	7.94	8.86	9.59	10.94	14,39	20,86	
20	4.52	5.94	6.94	7.54	7.81	8.39	8.98	9.40	10.42	10.97	12.74	16.83	22,00	
25	4.72	6.23	7.28	7.90	8.17	8.80	9.42	9.86	10.90	11.47	13.00	17.36	24,96	
40	5.13	6.85	7.99	8.65	8.35	9.65	10.34	10.81	11.11	11.72	14.44	17.95	26,95	
50	5.32	7.13	8.32	9.00	9.28	10.04	10.76	11.25	12.34	13.00	14.98	19.87	27,87	
100	5.91	8.01	9.33	10.00	10.35	11.24	12.05	12.60	13.77	14.47	16.59	22,08	30,66	
1000	6.86	8.86	10.32	11.12	11.39	12.42	13.33	13.92	15.15	15.90	18.16	24,23	33,38	
10000	7.19	10.85	12.50	13.12	13.73	15.08	16.20	16.94	17.91	18.24	20,44	28,44	39,44	
PMP/A	9.59	13.60	15.73	16.76	16.95	16.46	16.74	20.17	21.02	22.49	23.86	26,46	35,72	47,74
MEAN	2.369	2.927	3.356	3.625	3.772	3.996	4.234	4.478	5.088	5.413	6.429	8,486	13,076	
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1,000		
CALCULATED SKEW	.847	.859	.988	.976	.829	.899	.788	.719	.675	.675	.675	.651	.984	
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1,000	
SKEW USED	1.200	1.400	1.300	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1,000	

KURTOSIS	3.195	3.503	4.074	3.609	3.585	3.415	3.465	3.116	2.798	2.650	3.532	2.691	5,026
N	67	88	67	67	68	68	68	68	68	68	68	68	68
RECORD YEAR	1958	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1951
RECORD MAXIMUM	4,500	6,000	8,500	8,800	8,600	9,120	9,690	9,965	11,470	11,490	15,590	17,750	33,430
NORMALIZED MAX	2,084	2,602	3,146	2,817	2,754	2,714	2,663	2,539	11,450	11,470	15,590	17,750	33,430
CALC. COEF. VAR	.432	.469	.487	.477	.465	.471	.480	.482	.473	.474	.473	.435	
REGR. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1812	.2239	.2560	.2772	.2885	.3056	.3230	.3424	.3891	.4140	.4917	.6489	1,0000
RP10/A	.2966	.3820	.4473	.4872	.5070	.5415	.5786	.6069	.6776	.7148	.8363	1,1006	1,4965
RP25/A	.3646	.4768	.5567	.6042	.6251	.6731	.7205	.7542	.8333	.8775	.9169	1,3447	1,9090
RP50/A	.4072	.5455	.6361	.6868	.7097	.7679	.8230	.8605	.9452	.9939	1,1453	1,5195	2,1312
RP100/A	.4522	.6127	.7136	.7706	.7915	.8600	.9224	.9637	1,0532	1,1065	1,2669	1,6865	2,3450
RP1000/A	.5956	.8295	.9918	1,0314	1,0501	1,1531	1,2390	1,2922	1,3704	1,4626	1,6588	2,2230	3,0183
RP10000/A	.7331	1,0401	1,2014	1,2467	1,2920	1,4234	1,6020	1,7488	1,8617	2,0283	2,2040	3,0068	
PMP/A	1,4721	2,0070	2,3907	2,0268	2,1331	2,9459	3,1749	3,5012	3,6166	3,7796	4,3867	5,7010	7,6750

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
003 508 11 STATION NAME BARDOALE YOUNG RANCH ELEV 400 LATITUDE 34.365 LONGITUDE 118.945 COUNTY CODE 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.23	4.01	4.25	4.64	4.88	5.09	5.48	5.83	6.49	6.95	8.18	10.97	16.93
5	4.80	6.26	6.88	7.38	7.71	8.14	8.85	9.34	10.18	10.81	12.49	16.78	24.42
10	5.83	7.79	8.57	9.17	9.54	10.17	11.06	11.64	12.55	13.29	15.29	20.22	29.15
20	6.79	9.24	10.17	10.85	11.24	12.05	13.13	13.80	14.75	15.60	17.73	23.99	33.51
25	7.05	9.70	10.67	11.37	11.76	12.64	13.74	14.47	15.44	16.32	18.50	25.07	34.86
40	7.71	10.65	11.71	12.46	12.02	13.85	15.11	15.86	15.77	16.67	20.10	25.59	37.63
50	8.00	11.10	12.19	12.96	13.36	14.42	15.74	16.51	17.51	18.49	20.84	28.33	38.92
100	8.89	13.00	13.84	14.50	14.90	16.45	18.54	19.51	20.62	21.45	22.62	25.17	31.82
200	9.45	13.92	15.14	16.00	16.63	17.84	19.19	20.02	21.45	22.83	24.20	27.14	34.54
1000	11.70	16.08	18.44	19.51	19.76	21.65	23.69	24.79	26.23	27.20	30.14	41.44	55.09
10000	14.41	21.17	23.03	24.12	24.40	26.93	29.49	30.84	31.85	33.51	36.81	50.93	66.67
PMP	28.93	40.84	45.83	49.44	51.44	55.32	60.70	63.34	66.98	70.29	79.12	106.27	140.15

MEAN	3.561	4.656	4.923	5.218	5.428	5.739	6.191	6.570	7.205	7.699	8.946	12.097	18.281
CLOCK HR. COR.	1.440	1.070	1.300	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.174	1.394	1.311	1.277	1.174	1.311	1.467	1.427	1.435	1.233	1.087	1.126	1.953
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.100	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.100	1.000

KURTOSIS	5.739	5.948	5.270	4.696	4.473	4.658	5.343	5.308	5.080	4.516	3.829	4.248	3.340
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1943	1943	1943	1943	1943	1943	1949	1949	1949	1949	1949	1949	1941
RECORD MAXIMUM	8.380	12.170	13.630	13.630	13.730	14.460	17.480	18.260	20.070	20.330	21.770	29.390	39.580
NORMALIZED MAX	2.809	3.237	3.239	2.916	2.817	2.719	3.168	3.153	3.147	3.070	2.935	2.993	2.608
CALC. COEF. VAR	.482	.516	.546	.553	.543	.559	.576	.564	.567	.534	.488	.478	.448
REON. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.1950	.2495	.2696	.2857	.2973	.3143	.3390	.3598	.3946	.4219	.4899	.6625	1.0000
RP10/A	.3191	.4266	.4695	.5022	.5225	.5569	.6058	.6376	.6873	.7280	.8333	1.1235	1.5965
RP25/A	.3883	.5313	.5844	.6228	.6442	.6921	.7545	.7924	.8454	.8937	1.0132	1.3727	1.9090
RP50/A	.4382	.6079	.6678	.7098	.7314	.7894	.8617	.9061	.9587	1.0123	1.1411	1.5511	2.1312
RP100/A	.4861	.6829	.7491	.7942	.8157	.8893	.9651	.10125	1.0652	1.1270	1.2687	1.5722	2.3100
RP1000/A	.5489	.9240	1.0098	1.0631	1.0822	1.1858	1.2012	1.2405	1.3445	1.4090	1.6507	2.2322	3.0163
RP10000/A	.7889	1.1591	1.2622	1.3210	1.3361	1.4750	1.6152	1.6807	1.7443	1.8320	2.0180	2.7889	3.6508
PMP/A	1.5842	2.2366	2.5097	2.7075	2.8167	3.0294	3.3242	3.4684	3.6680	3.8494	4.3329	5.8196	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
003 1398 10 STATION NAME CAMARILLO-HOOKER ELEV 214 SEC 122 34 02N 21W A 5 LATITUDE 34.219 LONGITUDE 119.055 COUNTY CODE 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.33	2.70	3.00	3.30	3.51	3.63	3.82	4.10	4.66	5.03	5.70	7.54	12.67
5	3.47	4.22	4.77	5.27	5.58	5.85	6.25	6.64	7.39	7.92	8.85	11.85	18.11
10	4.24	5.28	5.97	6.59	6.94	7.32	7.93	8.40	9.25	9.88	10.98	14.76	21.80
20	4.99	6.29	7.11	7.83	8.21	8.72	9.54	10.08	11.02	11.75	13.01	17.56	25.26
25	5.18	6.61	7.47	8.22	8.61	9.16	10.05	10.62	11.58	12.33	13.65	18.44	26.34
40	5.65	7.28	8.02	8.92	9.43	10.06	11.11	11.73	12.74	13.56	14.93	20.57	31.51
50	5.87	7.59	8.57	9.40	9.94	10.49	11.61	12.25	13.28	14.15	15.61	21.14	29.51
100	6.54	8.54	9.64	10.64	11.89	11.74	13.14	13.94	15.19	15.72	17.22	23.79	37.79
200	7.10	9.51	10.70	11.68	12.12	13.06	14.45	15.44	16.58	17.61	19.40	26.42	35.90
1000	8.69	11.66	13.10	14.25	14.69	15.94	18.11	19.05	20.31	21.55	23.68	32.42	42.91
10000	10.77	14.73	16.47	17.82	18.26	19.95	22.96	24.13	25.52	27.05	29.67	40.83	52.62
PMP	21.04	27.71	31.91	35.53	37.42	39.86	43.60	45.74	49.44	52.30	57.16	76.63	104.80

MEAN	2.590	3.091	3.428	3.750	3.949	4.135	4.446	4.752	5.319	5.729	6.462	8.723	13.654
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKW	.854	.945	.716	.732	.773	.803	.830	.804	.984	.771	.680	.640	.833
REGIONAL SKW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.200	1.200
SKW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.200	1.200

KURTOSIS	3.690	4.057	3.524	3.857	3.985	4.024	4.717	4.540	4.284	3.739	3.308	3.078	4.228
N	83	83	83	83	83	83	83	83	83	83	83	83	83
RECORD YEAR	1956	1956	1956	1962	1962	1962	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	5.000	7.150	7.600	9.000	9.750	9.750	11.920	12.46	13.530	13.750	15.160	19.630	34.330
NORMALIZED MAX	2.170	2.999	2.769	3.161	3.302	3.014	3.625	3.512	3.301	3.138	2.981	2.821	3.695
CALC. COEF. VAR	.429	.438	.438	.446	.446	.445	.450	.464	.462	.468	.446	.452	.443
REON. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.595	.593	.592	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.595	.593	.592	.523	.519	.445

MEAN/A	.1897	.2264	.2510	.2746	.2892	.3029	.3256	.3481	.3896	.4195	.4733	.6389	1.0000
RP10/A	.3103	.3867	.4369	.4824	.5083	.5364	.5805	.6149	.6775	.7235	.8041	1.0069	1.5965
RP25/A	.3796	.4844	.5469	.6017	.6303	.6706	.7358	.7775	.8479	.9034	.9999	1.3504	1.9290
RP50/A	.4299	.5562	.6273	.6863	.7184	.7680	.8500	.8971	.9724	1.0346	1.1429	1.5484	2.1687
RP100/A	.4790	.6268	.7060	.7728	.8264	.8922	.9622	.1014	.1074	.1134	.1244	1.3044	2.4545
RP1000/A	.6361	1.056	.9596	1.0435	1.0573	1.1303	1.3059	1.3953	1.4887	1.5781	.7344	2.3741	3.1426
RP10000/A	.7159	1.072	1.2050	1.3030	1.3371	1.4611	1.7675	1.8681	1.9810	2.1728	2.1728	2.9906	3.6536
PMP/A	1.5411	2.0297	2.3372	2.6019	2.7404	2.9195	3.1928	3.3500	3.6210	3.8305	4.1860	5.6123	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB U03 3511 11 GORMAN OWEY 298 617 3680 18 08N 18W 0 S 34.787 118.822 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.77	2.19	2.48	2.66	2.86	3.06	3.24	3.48	3.88	4.09	4.83	6.67	11.44
5	2.62	3.42	3.92	4.23	4.49	4.87	5.23	5.57	6.09	6.37	7.37	10.51	16.50
10	3.18	4.26	4.89	5.25	5.55	6.07	6.54	6.94	7.51	7.83	8.98	12.85	19.70
20	3.71	5.05	5.80	6.21	6.56	7.20	7.76	8.22	8.82	9.19	10.47	15.03	22.65
25	3.87	5.30	6.08	6.52	6.85	7.55	8.15	8.62	9.23	9.61	10.92	15.70	23.56
40	4.21	5.82	6.67	7.14	7.00	8.27	8.94	9.45	9.43	9.62	11.87	16.03	25.43
50	4.37	6.07	6.95	7.42	7.77	8.61	9.34	9.84	10.47	10.89	13.36	17.74	26.30
100	4.65	6.31	7.20	7.81	8.67	9.31	10.03	11.01	11.67	12.12	13.43	19.24	28.96
200	5.33	7.35	8.63	9.17	9.93	10.66	11.51	12.37	12.83	13.22	14.82	21.66	31.30
1000	6.39	9.22	10.51	11.12	11.50	12.93	14.01	14.77	15.45	16.02	17.80	25.96	37.23
10000	7.87	11.57	13.13	13.82	14.20	16.09	17.44	18.37	19.05	19.74	21.74	31.90	45.06
PMP	15.81	22.32	26.12	28.32	29.94	33.04	35.89	37.71	40.06	41.41	46.72	66.57	94.73

MEAN	1.945	2.490	2.806	2.989	3.160	3.428	3.681	3.918	4.310	4.535	5.282	7.578	12.342
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	-0.339	.193	.407	.468	.651	.689	.699	.579	.800	.889	1.247	1.181	1.544
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000

KURTOSIS	2.534	2.284	2.222	2.684	3.006	3.266	2.866	2.500	2.922	3.218	5.217	4.186	6.696
N	23	27	29	31	31	32	31	32	32	31	32	23	34
RECORD YEAR	1947	1943	1947	1939	1939	1939	1939	1969	1941	1969	1941	1941	1941
RECORD MAXIMUM	2.400	4.070	4.880	6.220	6.830	7.790	7.790	7.800	9.480	9.520	13.510	18.560	31.210
NORMALIZED MAX	.017	1.662	1.645	2.331	2.392	2.613	2.215	2.000	2.371	2.292	3.204	2.962	3.599
CALC. COEF. VAR	.286	.382	.449	.464	.486	.487	.509	.495	.506	.479	.486	.490	.425
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1576	.2017	.2273	.2422	.2560	.2777	.2966	.3175	.3492	.3675	.4280	.6140	1.0000
RP10/A	.2580	.3449	.3960	.4256	.4500	.4922	.5300	.5622	.6082	.6366	.7280	.10413	1.5965
RP25/A	.3139	.4296	.4929	.5279	.5549	.6117	.6601	.6986	.7481	.7789	.8852	.12723	1.9090
RP50/A	.3543	.4915	.5632	.6016	.6300	.6979	.7532	.7969	.8684	.8823	.9765	.14377	2.1312
RP100/A	.3924	.5528	.6174	.6732	.7025	.7755	.8099	.8243	.8793	.9223	.9705	.15340	2.3450
RP1000/A	.5181	.7174	.8514	.9011	.9221	1.0488	1.1349	1.1951	1.2501	1.2930	1.4125	1.5701	2.3450
RP10000/A	.6377	.9372	1.0536	1.1197	1.1515	1.3025	1.4113	1.4881	1.5436	1.5993	1.7612	2.0849	3.6868
RP2M/A	1.2807	1.8083	2.1165	2.2949	2.4259	2.6773	2.9082	3.0558	3.2459	3.3551	3.7853	5.3941	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB U03 4943 0 LIMONIERA RANCH 335 34.332 119.124 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.32	3.66	3.96	4.14	4.39	4.68	5.04	5.84	6.10	7.46	9.79	15.33
5	4.03	5.18	5.79	6.30	6.55	7.03	7.36	8.06	9.15	9.61	11.39	14.97	22.11
10	4.90	6.44	7.22	7.83	8.10	8.76	9.64	10.06	11.29	11.82	13.87	18.30	24.39
20	5.70	7.64	8.56	9.26	9.54	10.34	11.21	11.90	13.27	13.67	16.16	21.40	30.34
25	5.96	8.02	8.98	9.71	9.99	10.89	11.76	12.48	13.89	14.51	16.87	22.36	31.56
40	6.48	8.81	9.86	10.63	10.21	11.93	12.90	13.68	14.19	14.82	18.32	22.84	34.07
50	6.72	9.18	10.26	11.08	11.34	12.42	13.43	14.24	15.75	16.43	19.00	25.27	35.24
100	10.41	13.11	14.16	15.06	15.38	16.92	18.50	19.55	20.82	21.50	23.81	30.67	46.77
200	0.19	1.12	12.74	13.67	13.92	15.17	16.44	17.82	19.21	20.54	23.04	30.62	46.77
1000	9.83	13.96	15.52	16.57	16.70	16.66	20.72	21.38	23.24	24.16	26.77	36.97	46.67
10000	12.10	17.50	19.38	20.59	20.72	23.21	25.18	26.59	28.65	29.75	33.55	45.44	60.36
PMP	24.30	33.76	38.57	42.20	43.68	47.66	51.82	54.61	60.25	62.49	72.13	94.82	126.69

MEAN	2.991	3.766	4.143	4.454	4.610	4.944	5.285	5.673	6.482	6.844	8.155	10.793	16.533
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.303	1.649	1.470	1.421	1.420	1.389	1.457	1.410	1.221	1.106	1.007	.884	.612
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000

KURTOSIS	5.616	7.687	8.314	5.859	5.704	5.220	5.612	5.586	4.639	4.200	3.795	3.239	3.617
N	65	65	65	65	65	65	65	65	65	65	65	65	66
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1949	1949	1949	1949	1949	1949
RECORD MAXIMUM	7.290	11.200	12.340	12.810	13.300	13.800	15.210	16.080	17.420	17.550	19.990	25.330	36.510
NORMALIZED MAX	3.170	3.955	3.010	3.551	3.549	3.282	3.391	3.428	3.135	2.966	2.873	2.780	3.303
CALC. COEF. VAR	.453	.499	.519	.528	.531	.531	.554	.535	.538	.524	.505	.485	.402
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1609	.2278	.2506	.2694	.2768	.2990	.3196	.3432	.3921	.4139	.4933	.6520	1.0000
RP10/A	.2961	.3695	.4365	.4735	.4901	.5299	.5712	.6076	.6828	.7148	.8391	.1,1071	1.5965
RP25/A	.3693	.4851	.5433	.5872	.6043	.6588	.7113	.7551	.8040	.8774	.1,0263	.1,3527	1.9090
RP50/A	.4063	.5550	.6208	.6692	.6861	.7514	.8124	.8614	.9255	.9939	.1,1271	.1,5205	2.1312
RP100/A	.4516	.6235	.6962	.7488	.7651	.8456	.9165	.9649	.1,0113	.1,0653	.1,1521	.1,5986	2.3450
RP1000/A	.5947	.8136	.9386	1.0123	1.0436	1.1286	1.1922	1.2923	1.3403	1.4055	1.4822	1.5263	3.0480
RP10000/A	.7320	1.0584	1.1725	1.2455	1.2532	1.4036	1.6084	1.6831	1.8019	2.0301	2.0463	2.4508	5.5

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
U03 5826 51

STATION NAME  
HOOPARK ISSE =141

ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
520 09 02N 19W C S 34+279 118.877 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD

IN YEARS

10

20

30

40

50

60

80

100

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200

300

600

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2

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1000

2000

10000

PMP

2.34

2.96

3.39

3.64

3.80

3.86

4.25

4.54

5.07

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8.64

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CLOCK HR. COR.  
CALCULATED SKEW  
REGIONAL SKEW  
SKEW USED

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1.071 .985  
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1.200 1.400

2.580 3.368  
1.070 1.070  
1.613 1.334  
1.332 1.200  
1.332 1.200

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5.745 5.915  
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PMP/A

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## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 1  
85N ORDER SUB 1  
U03 6891 1 OXNARD 32

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.35	2.83	3.15	3.37	3.56	3.72	3.93	4.23	4.89	5.18	6.25	8.18	13.42
5	3.50	4.42	4.99	5.35	5.62	5.96	6.35	6.78	7.46	8.06	9.54	12.50	19.35
10	4.29	5.50	6.22	6.65	6.96	7.43	7.93	8.44	9.45	9.92	11.62	15.29	23.11
20	4.95	6.53	7.37	7.87	8.19	8.81	9.42	10.00	11.11	11.64	13.54	17.08	26.56
25	5.17	6.85	7.74	8.25	8.58	9.23	9.88	10.49	11.62	12.17	14.13	18.68	27.63
50	5.62	7.52	8.49	9.04	9.77	10.12	10.84	11.50	11.87	12.43	15.35	19.08	29.82
100	5.83	7.84	8.64	9.40	10.54	11.26	11.97	13.18	13.79	15.91	21.18	30.05	
200	6.47	8.06	9.19	10.52	10.86	11.50	12.50	13.48	13.89	15.35	18.63	23.46	34.94
1000	7.10	9.75	10.97	11.42	11.95	12.03	13.98	14.80	15.05	16.87	19.30	20.75	36.94
10000	8.53	11.92	13.37	14.08	14.51	15.82	16.94	17.97	19.45	20.29	20.50	20.89	43.66
PMP	10.49	14.94	16.70	17.50	17.79	19.68	21.15	22.34	23.98	24.99	28.11	37.96	52.84
21.08	28.83	33.22	35.87	37.50	40.42	43.54	45.88	50.63	52.43	60.42	79.21	111.00	

MEAN	2.594	3.216	3.569	3.786	3.958	4.193	4.440	4.767	5.425	5.743	6.831	9.017	14.473
CLOCK HRS COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.183	1.095	1.090	1.641	1.560	1.412	1.316	1.088	1.045	.873	.747	.577	.253
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	4.430	4.189	4.144	7.749	7.800	6.535	5.745	4.592	4.716	4.255	3.520	3.010	6.236
N	69	69	69	69	69	69	69	69	69	69	69	69	69
RECORD YEAR	1956	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1961
RECORD MAXIMUM	5.969	7.620	8.720	12.080	12.640	13.340	13.340	13.340	15.580	15.580	16.170	19.450	38.170
NORMALIZED MAX	2.798	2.953	3.007	4.327	4.419	4.143	3.987	3.643	3.786	3.663	3.134	2.795	4.051
CALC. COEF. VAR	.464	.464	.480	.506	.496	.486	.503	.494	.494	.468	.436	.414	.404
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1792	.2222	.2466	.2616	.2735	.2897	.3064	.3294	.3748	.3968	.4720	.6230	1.0000
RP10/A	.2933	.3799	.4295	.4597	.4806	.5134	.5828	.5833	.6528	.6852	.8029	1.0564	1.5965
RP25/A	.3569	.4733	.5345	.5701	.5928	.6380	.6928	.7248	.8030	.8410	.9762	1.2909	1.9090
RP50/A	.4028	.5447	.6108	.6479	.6729	.7279	.7799	.8248	.9106	.9527	1.0995	1.4587	2.1312
RP100/A	.4440	.6082	.6824	.7270	.7503	.8032	.8525	.9259	.1.0147	.1.0566	.1.1811	1.6210	2.3450
RP1000/A	.5897	.8234	.9235	.9311	.9959	.1.0352	.1.0739	.1.2433	.1.3916	.1.5055	.2.1344	2.1343	3.0133
RP10000/A	.7251	1.3232	1.1535	1.2092	1.2290	1.3597	1.4616	1.5439	1.7269	1.9425	2.6227	3.6565	
PMP/A	1.4562	1.9922	2.2955	2.4784	2.5910	2.7926	3.0082	3.1704	3.4841	3.9226	4.1748	5.4730	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 1  
85N ORDER SUB 1  
U03 6891 0 PINE CANYON PAT STA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.14	3.97	4.50	4.81	5.07	5.24	5.60	6.02	6.49	7.24	8.33	11.17	17.37
5	4.40	6.19	7.24	7.64	8.03	8.94	9.04	9.64	10.50	11.56	12.72	17.09	25.05
10	5.66	7.71	8.86	9.49	9.91	10.46	11.29	12.01	13.49	13.85	15.49	20.90	29.91
20	6.60	9.15	10.51	11.23	11.67	12.40	13.40	14.23	15.22	16.25	18.05	24.44	34.39
25	6.89	9.60	11.03	11.77	12.22	13.00	14.00	14.93	15.92	17.00	18.84	25.53	35.77
40	7.59	10.50	12.10	12.89	12.49	14.25	15.43	16.36	16.27	17.36	20.46	26.07	36.61
50	7.78	10.98	12.61	13.42	13.87	14.83	16.00	17.03	18.06	19.25	21.22	28.85	
100	8.64	12.33	14.16	15.01	15.97	16.61	17.60	19.07	20.12	21.24	23.51	32.68	49
200	9.44	13.17	15.58	16.58	17.83	19.15	20.16	21.66	22.56	23.54	25.19	34.79	
1000	11.37	16.70	19.06	20.10	20.53	22.27	24.18	25.56	26.64	28.33	30.69	42.21	56.52
10000	14.00	20.94	23.81	24.97	25.34	27.71	30.11	31.79	32.85	34.90	37.49	51.08	68.41
PMP	28.12	40.40	47.38	51.19	53.42	56.90	61.97	65.29	69.08	73.20	80.56	108.26	143.81

MEAN/A	3.460	4.507	5.099	5.402	5.639	5.903	6.320	6.783	7.432	8.018	9.109	12.323	18.737
CLOCK HRS COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.823	1.511	1.071	.779	.721	.738	.857	.957	.814	.925	.789	1.376	.776
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	3.073	6.507	3.990	3.056	2.905	3.086	3.866	3.687	3.271	3.607	3.236	5.553	2.979
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1943	1943	1943	1943	1943	1949	1949	1949	1949	1949	1949	1949	1949
RECORD MAXIMUM	6.860	12.920	13.380	13.390	13.560	13.990	17.200	17.611	18.310	21.410	22.850	37.080	41.880
NORMALIZED MAX	1.892	3.317	2.760	2.548	2.481	2.433	2.914	2.677	2.667	2.940	2.798	3.507	2.577
CALC. COEF. VAR	.519	.563	.590	.580	.566	.563	.591	.596	.561	.568	.539	.573	.479
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1847	.2405	.2716	.2883	.3009	.3150	.3373	.3620	.3967	.4279	.4861	.6577	1.0000
RP10/A	.3023	.4112	.4731	.5057	.5289	.5503	.6027	.6410	.6908	.7309	.8269	1.1154	1.5965
RP25/A	.3670	.5212	.5808	.6284	.6521	.6939	.7560	.7965	.8498	.9070	1.0455	1.3928	1.9090
RP50/A	.4151	.5861	.6728	.7161	.7403	.7916	.8573	.9087	.9636	1.0274	1.1324	1.5404	2.1312
RP100/A	.4610	.6583	.7547	.8143	.8685	.9147	.9684	1.0181	1.0737	1.1404	1.2584	1.4236	2.3460
RP1000/A	.6021	.8102	.9054	1.0054	1.0796	1.2094	1.3269	1.4184	1.5118	1.6180	1.7259	2.0563	3.1663
PMP/A	1.5006	2.1172	1.7070	1.8339	1.3595	1.4787	1.6069	1.6968	1.7533	1.8624	2.0006	2.7668	3.6508

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
U03 6940 3 STATION NAME PIRU CANYON VC172 ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
113 1190 15 05N 18W P S 34°51'3" 118°7'58" 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION O-DAYS H-MOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.84	3.59	3.89	4.22	4.43	4.62	5.01	5.29	5.96	6.30	7.49	9.73	15.51
5	4.22	5.61	6.16	6.70	7.01	7.39	8.10	8.47	9.35	9.79	11.64	14.88	22.37
10	5.12	6.98	7.67	8.33	8.67	9.22	10.12	10.56	11.53	12.05	13.93	18.19	26.71
20	5.96	8.28	9.10	9.85	10.21	10.92	12.01	12.51	13.54	14.14	16.23	21.27	30.71
25	6.23	8.69	9.55	10.33	10.69	11.45	12.60	13.12	14.19	14.79	16.94	22.23	31.94
40	6.77	9.54	10.48	11.31	10.92	12.55	13.82	14.36	15.40	15.11	18.40	22.70	34.48
50	7.03	9.94	10.84	11.61	11.31	12.94	14.00	14.51	15.61	15.31	18.92	23.02	35.66
100	7.31	11.17	12.24	13.17	13.83	14.63	15.83	16.76	17.93	18.45	21.14	27.01	37.24
200	8.57	13.38	14.55	15.44	14.89	16.17	17.83	18.51	19.72	20.50	23.14	30.63	42.71
1000	10.28	15.12	16.50	17.63	17.95	19.62	21.67	22.47	23.74	24.65	27.60	36.75	50.47
10000	12.65	18.96	20.61	21.90	22.16	24.41	26.98	27.95	29.27	30.36	33.71	45.16	61.09
PMP	25.41	36.58	41.02	44.89	46.72	50.13	55.53	57.35	61.54	63.69	72.45	94.24	126.42

MEAN	3.128	4.081	4.406	4.737	4.931	5.200	5.664	5.963	6.623	6.976	8.191	10.728	16.732
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.446	2.123	1.786	1.392	1.249	1.274	1.350	1.373	1.094	1.118	.894	1.342	1.133
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	5.760	9.376	7.475	5.102	4.666	4.643	5.011	5.079	3.745	3.930	3.258	4.891	3.931
N	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
RECORD YEAR	1943	1943	1943	1943	1943	1943	1949	1943	1943	1969	1969	1969	1961
RECORD MAXIMUM	7,710	13,000	13,720	13,720	13,800	14,280	15,220	16,500	16,550	17,570	18,520	27,640	38,570
NORMALIZED MAX	2,922	3,800	3,690	3,302	3,226	3,106	3,020	3,093	2,667	2,794	2,608	3,118	2,955
CALC. COEF. VAR	.501	.575	.573	.574	.557	.562	.559	.571	.562	.543	.484	.506	.442
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.562	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.562	.523	.519	.445

MEAN/A	.1869	.2439	.2533	.2831	.2947	.3108	.3385	.3564	.3958	.4169	.4895	.6411	1.0000
RP10/A	.3059	.4170	.4588	.4976	.5180	.5508	.6048	.6310	.6893	.7200	.8327	1.0873	1.5965
RP25/A	.3723	.5194	.5708	.6171	.6387	.6845	.7533	.7841	.8479	.8838	.9125	1.3285	1.9090
RP50/A	.4201	.6373	.7125	.7310	.7510	.8030	.8710	.9010	.9500	.9870	1.0000	1.1400	2.4132
RP100/A	.5644	.6675	.7317	.7870	.8087	.8784	.9443	1.0017	1.0714	1.1415	1.2634	1.6682	3.4545
RP1000/A	.6144	.9037	.9841	1.0534	1.0729	1.1728	1.2952	1.3430	1.4187	1.4730	1.6496	2.1962	3.0163
RP10000/A	.7563	1.1331	1.2318	1.3089	1.3246	1.4588	1.6126	1.6704	1.7495	1.8146	2.0146	2.6591	3.6508
PMP/A	1.5187	2.1864	2.4513	2.6827	2.7924	2.9961	3.3189	3.4301	3.6790	3.8067	4.3299	5.6324	7.6750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
U03 7020 70 STATION NAME POINT MUGU ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
223 9 05 015 21W C S 34°11'9" 119°10'7" 56

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	1.85	2.34	2.59	2.77	2.93	3.00	3.20	3.42	3.97	4.18	4.94	6.60	9.76
5	2.45	3.65	4.10	4.40	4.64	4.80	5.17	5.48	6.23	6.50	7.54	10.10	14.08
10	3.34	4.54	5.10	5.47	5.74	5.98	6.44	6.82	7.68	8.00	9.19	12.35	16.81
20	3.89	5.38	6.05	6.47	6.75	7.09	7.64	8.08	9.03	9.39	10.70	14.44	19.32
25	4.07	5.65	6.35	6.78	7.07	7.43	8.04	8.48	9.45	9.82	11.17	15.08	21.32
40	4.42	6.21	6.97	7.43	7.23	8.15	8.82	9.29	9.65	10.30	12.33	15.46	21.69
50	4.54	6.47	7.30	7.75	7.50	8.30	9.04	9.51	10.21	11.28	12.58	15.46	22.44
100	5.40	7.26	8.14	8.65	8.95	9.50	10.29	10.83	11.94	12.39	13.94	18.94	24.69
200	5.59	8.05	9.01	9.55	9.85	10.49	11.38	11.96	13.13	13.61	15.25	20.79	26.87
1000	6.71	9.83	10.97	11.58	11.88	12.74	13.83	14.52	15.81	16.36	18.20	24.94	31.75
10000	8.26	12.33	13.71	14.39	14.67	15.84	17.21	18.06	19.50	20.16	22.23	30.65	38.43
PMP	16.59	23.79	27.28	29.49	30.92	32.53	35.43	37.08	41.00	42.29	47.77	63.95	80.80

MEAN/A	.2042	2.654	2.930	3.112	3.263	3.375	3.613	3.853	4.411	4.631	5.401	7.280	10.527
CLOCK HR. COR.	1.140	1.670	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.029	1.948	1.798	1.746	1.939	1.833	1.681	1.709	1.914	2.004	1.625	1.548	1.195
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	3.771	7.359	6.285	6.189	7.302	6.559	5.554	5.897	6.818	7.168	5.788	5.476	4.056
N	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25
RECORD YEAR	1956	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962
RECORD MAXIMUM	3,900	7,480	8,370	9,540	10,400	10,500	10,560	11,690	13,730	13,850	14,540	17,680	21,770
NORMALIZED MAX	1,911	2,945	2,784	2,955	3,160	3,072	2,774	2,947	3,081	3,126	2,987	2,743	2,468
CALC. COEF. VAR	.476	.616	.667	.699	.692	.687	.693	.690	.686	.637	.566	.521	.433
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1940	.2521	.2784	.2956	.3100	.3206	.3432	.3660	.4190	.4400	.5131	.6915	1.0000
RP10/A	.3175	.4310	.4848	.5195	.5448	.5681	.6133	.6539	.8052	.8576	.9225	1.0642	1.4969
RP25/A	.3863	.5369	.6035	.6443	.6717	.7061	.7601	.8052	.8676	.9025	1.0462	1.4909	1.9090
RP50/A	.4355	.6492	.6969	.7304	.7528	.8056	.8717	.9125	.9547	1.0925	1.2052	1.4922	2.1232
RP100/A	.6376	.9340	1.0425	1.0999	1.1284	1.2097	1.3134	1.3792	1.5019	1.7100	1.8241	1.7993	2.4540
RP1000/A	.6376	1.1712	1.3023	1.3668	1.3931	1.5047	1.6052	1.7153	1.8521	1.9147	2.1115	2.9112	3.6508
RP10000/A	1.7840	2.2598	2.5915	2.8012	3.0905	3.0905	3.3655	3.5224	3.8946	4.0168	4.5381	6.0749	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
UD3 7080 0	PORT MUEHNE 17	532	20	20	01N	22W	S	34°14.4'	119°20.8'	56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.35	2.76	3.09	3.27	3.44	3.63	3.81	4.15	4.68	5.04	6.03	8.02	12.48
5	3.49	4.31	4.89	5.19	5.44	5.82	6.16	6.65	7.34	7.84	9.21	12.27	17.99
10	4.24	5.37	6.09	6.45	6.73	7.25	7.70	8.28	9.05	9.64	11.23	15.00	21.48
20	4.94	6.37	7.22	7.63	7.92	8.60	9.14	9.82	10.64	11.31	13.08	17.54	24.70
25	5.16	6.69	7.58	8.00	8.29	9.01	9.59	10.29	11.13	11.83	13.65	18.33	25.69
40	5.61	7.34	8.21	8.76	9.46	9.88	10.52	11.28	11.38	12.49	14.83	18.72	27.73
50	5.74	7.66	8.42	9.06	9.70	10.36	11.04	11.74	12.54	13.40	15.03	19.21	29.00
100	6.47	8.85	9.71	10.20	10.50	11.52	12.27	13.15	14.07	14.92	17.03	23.02	31.56
200	7.09	9.52	10.75	11.26	11.50	12.72	13.57	14.53	15.47	16.40	18.64	25.26	34.35
1000	8.51	11.63	13.09	13.66	13.93	15.44	16.49	17.63	18.63	19.72	22.24	30.30	40.59
10000	10.48	14.58	16.35	16.97	17.20	19.21	20.53	21.93	22.97	24.29	27.16	37.24	49.13
PMP	21.05	28.14	32.54	34.78	36.24	39.46	42.24	45.03	48.31	50.97	58.37	77.72	105.28
MEAN	2.590	3.139	3.495	3.670	3.827	4.093	4.308	4.678	5.197	5.582	6.599	8.647	13.457
CLOCK MR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.847	1.964	1.460	1.291	1.450	1.306	1.202	1.123	1.069	1.025	.925	.578	.807
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.568	9.002	5.646	5.023	5.649	4.982	4.617	4.252	3.923	3.226	3.969	2.752	4.134
N	79	79	79	79	79	79	79	79	79	79	79	79	79
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.360	9.550	9.390	9.660	10.30	10.510	12.640	12.680	12.790	16.110	19.120	32.990	32.990
NORMALIZED MAX	2.618	4.155	3.484	3.338	3.411	3.218	3.436	3.394	3.042	2.848	3.134	2.676	3.694
CALC. COEF. VAR	.408	.492	.501	.489	.500	.487	.500	.501	.473	.453	.400	.434	.393
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.595	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.595	.553	.542	.523	.519	.445
MEAN/A	.1925	.2333	.2597	.2728	.2844	.3042	.3202	.3476	.3862	.4148	.4904	.6574	1.0000
RP10/A	.3151	.3980	.4524	.4793	.4998	.5390	.5721	.6156	.6726	.7163	.8344	.1,1149	1,5965
RP20/A	.3854	.4686	.5361	.5755	.6156	.6569	.7125	.7647	.8124	.8633	.9103	.1,3232	1,9000
RP50/A	.4324	.5084	.5734	.6175	.6597	.7163	.7647	.8124	.8633	.9103	.9624	.1,5933	1,9132
RP100/A	.4805	.6384	.7281	.7851	.8559	.9121	.9772	1.0454	1.1089	1.2656	1.7105	2,3450	2,3450
RP1000/A	.6327	.8673	.9728	1.0148	1.0353	1.1477	1.2251	1.3101	1.3943	1.4655	1.6526	2,2519	3,0163
RP10000/A	.7788	1.0831	1.2151	1.2610	1.2781	1.4276	1.5253	1.6294	1.7071	1.8053	2,0182	2,7676	3,6508
PMP/A	1.5640	2.0911	2.4181	2.5844	2.6945	2.9321	3.01392	3.0460	3.0589	3.07873	3.0876	5.7752	7.6750

## PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
UD3 7249 51	FILLMORE RANCHO M 39	525	430					34.383	118.964	56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.02	3.93	4.30	4.58	4.82	5.05	5.39	5.81	6.54	6.88	8.20	10.83	16.74
5	4.49	6.14	6.81	7.28	7.62	8.09	8.70	9.31	10.26	10.71	12.53	16.56	24.14
10	5.45	7.64	8.48	9.05	9.42	10.09	10.87	11.60	12.65	13.17	15.26	20.62	26.02
20	6.35	9.06	10.06	10.70	11.10	11.95	12.91	13.74	14.81	15.46	17.78	23.68	33.13
25	6.63	9.31	10.55	11.21	11.62	12.55	13.54	14.56	15.67	16.77	18.86	24.74	34.46
40	7.21	10.88	12.28	12.78	13.19	14.30	15.47	16.44	17.64	18.31	20.90	27.96	36.48
50	7.6	10.88	12.78	13.19	14.30	15.47	16.44	17.64	18.31	19.68	20.39	23.16	31.07
100	8.31	12.23	13.53	14.30	14.71	16.01	17.33	18.41	19.66	20.39	21.62	25.35	34.10
200	9.12	13.55	14.96	15.79	16.19	17.69	19.16	20.33	21.62	22.41	24.68	30.08	46.08
1000	10.95	16.55	18.23	19.14	19.52	21.47	23.28	24.68	26.03	26.95	30.24	40.90	54.46
10000	13.47	20.75	22.77	23.79	24.09	26.71	28.99	30.69	32.10	33.20	36.93	50.27	65.91
PMP	27.06	40.04	45.31	48.75	50.79	54.86	57.67	63.03	67.51	69.64	74.97	104.90	136.56
MEAN	3.330	4.467	4.867	5.146	5.361	5.691	6.085	6.548	7.263	7.628	8.973	11.940	18.054
CLOCK MR, COR.	1.140	1.70	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.020	1.306	1.306	1.044	.997	1.252	1.466	1.446	1.345	1.204	1.083	1.148	.895
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.751	4.635	3.121	3.395	3.399	4.342	5.700	5.538	5.231	4.743	4.052	3.936	3.395
N	58	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1952	1943	1943	1943	1962	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	6.400	11.570	11.590	12.540	13.140	15.690	19.220	20.530	21.970	22.090	24.750	31.980	36.590
NORMALIZED MAX	2.027	3.052	2.563	2.864	2.901	3.081	3.411	3.680	3.680	3.553	3.337	3.684	2.762
CALC. COEF. VAR	.455	.521	.535	.554	.554	.570	.577	.579	.559	.537	.527	.514	.412
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.587	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.587	.553	.542	.523	.519	.445
MEAN/A	.1845	.2474	.2696	.2850	.2969	.3152	.3371	.3627	.4023	.4225	.4970	.6614	1.0000
RP10/A	.3019	.2230	.4966	.5009	.5219	.5366	.6423	.6423	.7006	.7595	.4455	.1215	.5965
RP25/A	.3546	.3474	.4966	.5009	.5219	.5366	.6423	.6423	.7006	.7595	.4455	.1215	.5965
RP50/A	.4164	.6028	.6778	.7079	.7306	.7801	.8567	.8567	.8918	.8955	.1280	.1370	1.9690
RP100/A	.4604	.6771	.7491	.7922	.8147	.8671	.9602	.9195	.10195	.10884	.12927	.1287	.17208
RP1000/A	.6063	.9167	1.0097	1.0064	1.0810	1.1905	1.2897	1.3369	1.4419	1.4927	1.6749	2.0285	3.0163
RP10000/A	.7463	1.1495	1.2912	1.3174	1.3345	1.4795	1.6058	1.7001	1.7001	1.6587	2.0455	2.7943	3.6509
PMP/A	1.4987	2.2179	2.5969	2.7005	3.0387	3.0404	3.4919	3.7392	3.8573	4.3903	5.8101	7.6750	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER 508  
U03 7425 1 RIOGE ROUTE FC 409 ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.19	3.56	3.96	4.17	4.66	4.73	5.10	5.39	6.00	6.43	7.25	9.75	15.21
5	4.74	5.56	6.27	6.63	7.38	7.50	8.23	8.62	9.40	10.01	11.07	14.90	21.94
10	5.76	6.91	7.81	8.24	9.12	9.45	10.29	10.74	11.60	12.31	13.49	18.23	26.19
20	6.71	8.21	9.26	9.75	10.74	11.20	12.21	12.73	13.63	14.45	15.71	21.31	30.11
25	7.01	8.61	9.72	10.23	11.25	11.76	12.81	13.35	14.27	15.11	16.40	22.27	31.32
40	7.62	9.66	10.66	11.20	11.50	12.37	14.05	14.63	14.58	15.44	17.82	22.74	33.81
50	7.91	9.85	11.10	11.82	12.47	13.00	13.63	15.23	16.14	17.12	18.47	25.07	34.97
100	8.78	11.07	12.44	13.04	14.24	15.04	16.00	17.45	18.03	19.04	20.47	27.99	38.48
200	10.44	12.26	13.78	14.00	15.68	16.57	18.13	19.83	20.94	22.40	30.69	41.88	
1000	11.57	14.98	16.79	17.46	18.90	20.12	22.03	22.88	23.67	25.19	26.72	36.81	49.49
10000	14.24	18.79	20.97	21.69	23.33	25.03	27.43	28.43	29.44	31.03	32.64	45.25	59.90
PMP	28.60	36.25	41.73	44.45	49.18	51.40	56.45	58.38	61.90	65.09	70.14	94.41	125.93

MEAN	3.520	4.043	4.483	4.692	5.190	5.332	5.758	6.066	6.659	7.129	7.930	10.747	16.407
CLOCK NR. COR.	1.149	1.070	1.040	1.020	1.010	1.019	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.371	.941	1.385	1.326	1.066	.994	1.214	1.266	1.104	1.043	1.087	1.105	1.191
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	2.750	3.381	4.539	4.392	3.287	3.147	3.972	4.268	3.301	2.962	3.200	3.340	4.807
N	23	26	31	31	33	33	33	33	33	33	33	33	33
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1961	1941	1941
RECORD MAXIMUM	6,000	6,700	11,400	12,400	12,800	12,800	16,820	17,800	17,800	19,700	27,100	45,330	
NORMALIZED MAX	1.670	2.074	2.420	2.604	2.350	2.210	2.817	2.923	2.577	2.245	2.318	2.403	3.225
CALC. COEF. VAR	.422	.555	.638	.631	.630	.638	.682	.665	.653	.671	.644	.633	.547
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.562	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.562	.523	.519	.445

MEAN/A	.2145	.2464	.2732	.2860	.3164	.3250	.3509	.3697	.4059	.4345	.4833	.6550	1.0000
RP10/A	.3511	.4214	.4759	.5025	.5560	.5759	.6270	.6547	.7069	.7503	.8221	.1.1091	.1.5965
RP25/A	.4272	.5269	.5923	.6232	.6856	.7157	.7869	.8135	.8695	.9210	.9997	.1.3573	.1.9690
RP50/A	.4821	.6005	.6768	.7103	.7784	.8166	.8919	.9280	.9860	1.0432	1.1250	1.5338	2.1312
RP100/A	.5247	.6453	.7220	.7578	.8145	.8545	.9247	.9645	.9971	1.0741	1.1744	1.6287	2.4550
RP1000/A	.7051	1.1912	1.0233	1.0639	1.1517	1.2243	1.2743	1.3293	1.4548	1.5287	2.2438	3.0163	
RP10000/A	.8879	1.1450	2.96782	2.1220	1.6718	1.5718	1.7328	1.7941	1.8910	1.9891	2.7575	3.6508	
PMP/A	1.7429	2.2094	2.97436	2.7094	2.9974	1.5327	3.4407	3.5584	3.7727	3.9669	4.2750	5.7544	.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER 508  
U03 7734 0 SANDBERG PAT STA ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.73	3.31	3.69	3.93	4.11	4.28	4.52	4.82	5.23	5.55	6.44	8.13	13.23
5	4.05	5.17	5.84	6.24	6.86	7.11	7.71	8.19	8.64	9.83	12.43	19.08	
10	4.92	6.44	7.28	7.76	8.04	8.55	9.12	9.61	10.11	10.62	11.98	15.21	22.78
20	5.73	7.64	8.64	9.18	9.46	10.13	10.82	11.39	11.88	12.47	13.95	17.78	26.19
25	6.59	8.02	9.04	9.62	9.91	10.62	11.33	11.90	12.43	13.04	14.58	18.58	27.24
40	6.51	8.80	9.94	10.54	10.12	11.64	12.45	13.09	12.70	13.32	15.82	18.97	29.41
50	6.75	9.17	10.35	10.99	11.25	12.12	12.93	13.61	14.10	14.70	16.40	19.59	30.62
100	7.56	10.10	11.11	12.27	12.85	13.53	14.26	15.26	15.71	16.44	18.17	23.33	33.47
200	9.49	11.42	12.05	12.85	13.81	14.96	16.07	16.85	17.28	18.07	19.89	25.60	36.43
1000	9.87	13.95	15.65	16.43	16.64	18.20	19.52	20.45	20.80	21.74	23.72	30.71	43.05
10000	12.15	17.49	19.55	20.41	20.55	22.62	24.31	25.44	25.65	26.78	28.97	37.75	52.10
PMP	24.40	33.75	38.91	41.84	43.32	46.48	50.03	52.24	53.94	56.17	62.27	78.77	109.53

MEAN	3.003	3.765	4.180	4.415	4.572	4.822	5.102	5.428	5.803	6.152	7.040	8.066	14.272
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.068	1.127	1.185	1.025	.938	.796	.840	.1015	1.129	1.075	1.005	1.299	.669
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	4.392	4.193	3.984	3.828	3.644	3.287	3.054	3.551	4.051	3.884	3.834	4.354	2.527
N	26	26	26	26	26	26	26	26	26	26	26	25	25
RECORD YEAR	1971	1962	1962	1962	1962	1962	1966	1962	1962	1962	1962	1969	1969
RECORD MAXIMUM	5,610	7,990	9,530	10,060	10,370	10,560	10,910	12,330	13,610	13,670	16,850	21,540	26,150
NORMALIZED MAX	1.973	2,330	2,459	2,500	2,469	2,348	2,089	2,414	2,561	2,306	2,637	2,700	1.941
CALC. COEF. VAR	.440	.482	.521	.511	.514	.507	.545	.527	.525	.512	.516	.519	.429
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445

- MEAN/A	.2105	.2638	.2929	.3094	.3203	.3379	.3575	.3803	.4066	.4311	.4933	.6262	1.0000
RP10/A	.3444	.4510	.5101	.5437	.5630	.5987	.6388	.6734	.7081	.7444	.8391	.1.0655	.1.5965
RP25/A	.4191	.5610	.6349	.6743	.6942	.7441	.7956	.8368	.8711	.9137	.1.0205	.1.3010	.1.9090
RP50/A	.4730	.6428	.7255	.7693	.7862	.8489	.9126	.9549	.9769	.1.0120	.1.1200	.1.2112	
RP100/A	.5259	.7220	.8168	.8958	.8792	.9146	.9789	.1.0285	.1.1006	.1.1523	.1.2731	.1.6346	.1.6450
RP1000/A	.6018	.9095	1.0599	1.1510	1.1642	1.2749	1.3680	1.4322	1.4574	1.5230	1.6264	2.1520	3.0163
RP10000/A	.6515	1.2256	1.3701	1.4303	1.4398	1.5858	1.7032	1.7826	1.7972	1.8762	2.0302	2.6448	3.6508
PMP/A	1.7099	2.3649	2.7293	2.9314	3.0352	3.2571	3.5054						

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB U03 7735 0 SANDBERG W 8 611 4517 31 08N 17W C S 34°75' 118.733 76

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.43	2.99	3.29	3.52	3.66	3.75	3.97	4.15	4.60	4.96	5.72	7.47	12.06
5	3.61	4.66	5.21	5.60	5.79	6.00	6.41	6.65	7.22	7.72	8.74	11.43	17.39
10	4.39	5.80	6.48	6.96	7.16	7.46	8.01	8.28	8.90	9.49	10.65	13.97	20.77
20	5.34	7.07	7.84	8.60	9.37	9.82	10.30	10.94	11.29	11.55	11.45	15.94	25.27
50	5.34	7.23	8.07	8.63	8.82	9.30	9.97	10.29	11.26	11.19	11.90	14.67	17.43
40	5.81	7.94	8.85	9.45	9.02	10.19	10.94	11.26	11.11	11.46	14.67	17.43	26.81
50	6.03	8.27	9.22	9.84	10.02	10.61	11.39	11.74	12.42	13.20	14.59	19.29	27.73
100	6.69	9.29	10.34	11.01	11.17	11.86	12.76	13.14	13.84	14.69	16.16	21.44	30.51
200	7.34	10.29	11.45	12.15	12.36	13.13	14.11	14.52	15.22	16.15	17.69	23.53	33.21
1000	8.81	12.57	13.94	14.73	14.82	15.93	17.14	17.62	18.32	19.42	21.10	28.22	39.24
10000	10.65	15.77	17.42	18.31	18.36	19.82	21.34	21.92	22.59	23.92	25.77	34.69	47.49
PMP	21.79	30.42	34.66	37.53	38.98	46.71	43.93	45.61	47.51	56.19	55.38	72.38	99.85

MEAN	2,682	3,393	3,723	3,961	4,072	4,223	4,480	4,676	5,111	5,497	6,262	8,239	13,009
CLOCK HR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,488	1,378	1,470	1,583	1,389	1,621	1,782	1,636	1,618	1,514	1,630	1,418	
REGIONAL SKEW	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,180	1,000
SKEW USED	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,180	1,000

KURTOSIS	6.336	5.371	5.860	6.618	5.577	6.868	7.977	7.003	6.842	6.242	5.064	6.501	5.587
N	35	35	35	35	35	35	35	35	35	35	35	34	35
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6,171	8,440	10,300	12,040	13,000	15,000	15,000	15,000	15,000	17,480	18,000	26,000	34,500
NORMALIZED MAX	6,810	9,216	11,397	13,422	13,733	15,561	16,648	16,648	16,648	17,482	18,000	23,100	31,131
CALC. COEF. VAR	.533	.543	.571	.593	.595	.624	.635	.623	.636	.661	.638	.528	
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	

MEAN/A	.2061	.2608	.2842	.3044	.3130	.3246	.3444	.3895	.3929	.4226	.4813	.6233	1.0000
RP10/A	.3374	.4460	.4984	.5350	.5531	.5752	.6154	.6265	.6843	.7297	.8188	1.0741	.5965
RP25/A	.4105	.5555	.6204	.6635	.6783	.7149	.7664	.7809	.8418	.8957	.9596	1.3123	1.9990
RP50/A	.4633	.6355	.7089	.7562	.7701	.8156	.8753	.9023	.9545	.j.0146	1.2123	1.4830	2.1312
RP100/A	.5145	.7139	.7952	.8462	.8588	.9134	.9811	.1.0104	1.0636	1.1295	1.2422	1.6479	2.3450
RP1000/A	.6776	.9665	1.0717	1.1327	1.1394	1.2248	1.3178	1.3547	1.4084	1.4929	1.6220	2.1969	3.0163
RP10000/A	.8340	1.2118	1.3388	1.4074	1.4067	1.5235	1.6407	1.6849	1.7367	1.8390	1.9809	2.6663	3.6508
PMP/A	1.6748	2.3383	2.6641	2.8846	2.9656	3.1291	3.3768	3.4598	3.6521	3.8580	4.2574	5.5638	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB U03 7957 0 SANTA PAULA 263 16 03N 21W A S 34°34' 119.080 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.91	3.42	3.76	4.15	4.34	4.59	4.95	5.36	6.07	6.46	7.52	9.73	15.33
5	4.33	5.34	5.95	6.60	6.67	7.36	7.99	8.57	9.52	10.06	11.48	14.88	22.11
10	5.65	7.42	8.20	8.49	8.97	9.99	10.68	11.74	12.37	13.57	15.12	18.19	26.40
20	6.13	7.99	9.00	9.40	10.29	10.97	11.84	12.56	13.84	14.91	16.31	21.27	30.35
50	6.58	8.28	9.20	10.11	11.17	12.40	13.82	15.14	16.44	17.81	19.01	23.23	35.57
100	6.96	9.09	10.13	11.14	10.70	12.50	13.65	14.55	14.75	15.51	16.48	22.70	34.06
200	7.22	9.47	10.55	11.59	11.69	13.01	14.21	15.14	16.37	17.20	19.16	25.12	35.25
500	8.02	10.64	11.83	12.97	13.26	14.57	15.93	16.93	18.24	21.23	27.91	36.78	
1000	8.80	11.79	13.09	14.32	14.66	16.09	17.66	18.73	20.06	21.64	23.23	30.63	42.21
10000	10.56	14.41	15.95	17.38	17.59	19.53	21.39	22.73	24.16	25.30	27.72	36.75	49.93
PMP	26.09	34.85	39.94	44.22	45.79	49.76	54.61	58.07	62.04	65.39	72.76	94.24	126.93

MEAN	3.212	3.888	4.258	4.667	4.833	5.176	5.590	6.033	6.739	7.162	8.226	10.727	16.539
CLOCK HR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.936	1.447	1.364	1.915	1.852	1.689	1.767	1.733	1.906	1.839	1.562	1.421	1.022
REGIONAL SKEW	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,180	1,000
SKEW USED	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,180	1,000

KURTOSIS	3.397	5.210	5.097	7.562	7.091	5.555	5.866	5.785	6.507	6.073	5.209	4.480	3.290
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1962	1962	1962	1962	1962	1962	1969	1969	1962	1962	1969	1969	1952
RECORD MAXIMUM	5,630	9,050	10,800	12,400	15,000	15,000	16,000	17,000	19,200	19,200	20,700	27,000	32,666
NORMALIZED MAX	1,606	2,863	2,666	3,171	3,144	2,666	2,653	2,621	2,810	2,680	2,481	2,612	2,644
CALC. COEF. VAR	.473	.550	.581	.669	.658	.733	.747	.711	.695	.669	.626	.561	.476
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	

MEAN/A	.1942	.2351	.2574	.2622	.2922	.3130	.3380	.3646	.4075	.4330	.4974	.6466	1.0000
Rp10/A	.3176	.4119	.4484	.4959	.5136	.5546	.6040	.6459	.7096	.7478	.8460	1.1000	1.5945
RP25/A	.3866	.5006	.5591	.6150	.6333	.6893	.7222	.8026	.8730	.9179	.1.0287	1.3400	1.9090
RP50/A	.4364	.5727	.6370	.7009	.7190	.7664	.8591	.9156	.9899	j.0397	1.1586	1.5107	2.3132
RP100/A	.4847	.6434	.7154	.7843	.8016	.8807	.9293	.1.0253	1.1030	1.1575	1.2836	1.6677	2.3450
RP1000/A	.6303	.8710	.9642	1.0499	1.0638	1.1810	1.2934	1.3746	1.4600	1.5299	1.6760	2.2219	3.0163
RP10000/A	.7857	1.0921	1.2045	1.3046	1.3133	1.3469	1.6104	1.7097	1.8011	1.8864	2.0469	2.7308	3.6506
PMP/A	1.5778	2.1673	2.3966	2.6737	2.7687	3.0171	3.3143	3.5109	3.7875	3.9536	4.3993	5.6989	7.6750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 536 ELEV 34.236 LATITUDE 118.933 COUNTY CODE  
85N ORDER SUB 536 275 34.236 118.933 56

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.32	2.71	3.03	3.20	3.44	3.54	3.73	4.02	4.47	4.72	5.63	7.42	11.79
5	3.45	4.23	4.80	5.09	5.44	5.68	6.03	6.43	7.00	7.34	8.59	11.34	17.00
10	4.18	5.26	5.98	6.32	6.73	7.07	7.53	8.02	8.64	9.03	10.47	13.37	20.30
20	4.88	6.24	7.10	7.48	8.38	8.94	9.50	10.19	10.60	12.20	15.22	23.33	33.33
40	5.99	6.55	7.45	7.88	8.30	8.74	9.20	9.82	10.52	11.93	12.73	15.95	22.27
50	5.74	7.49	8.51	8.94	9.42	10.03	10.72	11.35	12.05	12.56	14.34	19.15	27.10
100	6.38	8.42	9.55	10.00	10.50	11.23	12.01	12.73	13.42	13.98	14.88	21.28	29.82
200	7.00	9.32	10.56	11.04	11.55	12.41	13.28	14.05	14.76	15.37	17.38	23.36	32.46
1000	8.40	11.39	12.86	13.39	13.94	15.06	16.13	17.05	17.77	18.48	20.76	28.02	38.35
10000	10.34	14.29	16.07	16.63	17.21	18.74	20.09	21.22	21.92	22.77	25.30	34.34	46.42
PHP	20.77	27.56	31.98	34.09	36.27	38.48	41.34	43.56	46.09	47.76	54.44	71.86	97.59

MEAN	2.556	3.075	3.435	3.598	3.828	3.902	4.216	4.528	4.959	5.231	6.155	8.179	12.715
CLOCK HR. COR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.570	1.260	1.405	1.220	1.052	1.929	1.739	1.645	1.555	1.350	1.450	1.867	
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.000	1.000	
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.000	1.000	

KURTOSIS	3.450	6.461	5.085	4.230	3.671	3.334	3.032	2.828	2.729	2.759	2.301	2.539	4.241
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	4.700	7.860	8.810	8.810	9.260	9.260	9.260	10.000	10.440	11.000	11.000	11.000	11.000
NORMALIZED MAX	2.165	3.107	2.809	2.655	2.642	2.642	2.642	2.474	2.205	2.205	2.205	2.005	3.039
CALC. COEF. VAR	.387	.501	.557	.545	.537	.526	.497	.462	.439	.417	.412	.425	
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.2010	.2418	.2701	.2830	.3011	.3140	.3316	.3561	.3900	.4114	.4840	.6133	1.0000
RPI10/A	.3290	.4134	.4705	.4422	.5292	.5520	.5257	.5701	.6791	.7104	.8233	1.0910	.51965
RPI50/A	.4004	.5150	.5565	.5150	.6915	.7250	.7835	.8354	.9720	1.0111	1.3330	1.9090	
RPS50/A	.3180	.4120	.5692	.7028	.7408	.7889	.8428	.8938	.9474	.9877	1.1275	1.5063	2.1312
RPI100/A	.5018	.6618	.7507	.7884	.8262	.8835	.9464	.9462	.9439	.9417	.9412	.9425	
RPI1000/A	.6608	.8960	1.0118	1.0527	1.0961	1.1847	1.2888	1.3419	1.3978	1.4534	1.6311	2.2036	3.0163
RPI10000/A	.8134	1.1233	1.2538	1.3081	1.3532	1.4736	1.5797	1.6699	1.7237	1.7904	1.9920	2.7082	3.6508
PPM/A	1.6334	2.1678	2.5156	2.6810	2.8528	3.0265	3.2512	3.4272	3.6247	3.7559	4.2812	5.6512	7.6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 325 ELEV 34.263 LATITUDE 118.996 COUNTY CODE  
85N ORDER SUB 17 02N 20W 8 S 34.263 118.996 56

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.36	2.80	3.11	3.36	3.55	3.69	3.92	4.33	4.87	5.22	6.19	8.19	12.86
5	4.50	4.37	4.92	5.34	5.61	5.90	6.34	7.64	8.12	9.45	12.53	18.55	
10	4.25	5.44	6.13	6.63	6.94	7.35	7.92	8.54	9.42	9.99	11.52	15.32	22.15
20	4.95	6.44	7.27	7.65	8.17	8.71	9.30	10.34	11.47	12.71	14.01	15.66	
40	5.17	6.18	7.03	7.42	8.05	8.55	9.34	9.86	10.73	11.59	12.27	14.01	17.26
50	5.84	7.75	8.71	9.37	9.71	10.42	11.26	12.24	13.14	13.89	15.78	21.15	29.57
100	6.48	8.71	9.77	10.49	10.83	11.67	12.62	13.71	14.64	15.47	17.48	23.50	32.54
200	7.11	9.65	10.81	11.58	11.92	12.89	13.95	15.14	16.10	17.00	19.13	25.60	35.42
1000	8.54	11.79	13.17	14.04	14.37	15.65	16.95	18.38	19.39	20.44	22.82	30.94	41.85
10000	10.51	14.78	16.46	17.45	17.74	19.47	21.11	22.86	23.91	25.18	27.87	38.03	56.86
PHP	21.10	28.52	32.75	35.75	37.40	39.98	43.44	46.94	50.27	52.83	59.90	79.36	105.50

MEAN	2.597	3.181	3.517	3.774	3.948	4.147	4.431	4.877	5.409	5.787	6.772	9.034	13.876
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.011	1.532	1.148	1.190	1.201	1.190	1.064	1.180	.801	.751	.738	.535	.750
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.000	1.000	1.000

KURTOSIS	4.566	6.576	4.359	4.780	4.957	4.909	4.205	4.911	3.373	3.421	3.057	2.578	3.578
N	.78	.78	.78	.78	.78	.78	.78	.78	.78	.78	.78	.78	.78
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	5.950	8.010	8.470	10.370	10.700	11.800	11.800	13.400	12.400	13.400	15.800	15.800	19.810
NORMALIZED MAX	2.945	3.711	3.144	3.595	3.670	3.709	3.392	3.415	2.862	2.955	2.580	19.643	32.399
CALC. COEF. VAR	.435	.481	.484	.485	.489	.494	.482	.500	.474	.450	.476	.451	.402
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1872	.2293	.2535	.2720	.2845	.2880	.3193	.3515	.3898	.4170	.4880	.6510	1.0000
RPI10/A	.3120	.3920	.4485	.4779	.5000	.5597	.5705	.5924	.6788	.7201	.8302	1.1041	1.5945
RPS2/A	.3728	.4483	.5185	.5927	.6165	.6583	.7106	.7554	.8351	.8840	.9094	1.3490	1.9090
RPS50/A	.4267	.5587	.6279	.6755	.7000	.7510	.8116	.8823	.9470	.10013	1.1369	1.5244	2.1312
RP100/A	.4672	.6275	.7044	.7559	.7800	.8411	.9096	.9880	.10551	.1147	.1295	1.6940	2.3450
RP1000/A	.6153	.8496	.9494	1.0118	1.0357	1.1278	1.2218	1.3266	1.3972	1.4734	1.6446	2.2301	3.0183
RP10000/A	.7574	1.0562	1.1859	1.2573	1.2786	1.4028	1.5212	1.6475	1.7292	1.8150	2.0085	2.7048	3.6508
PPM/A	1.5210	2.0554	2.3599	2.57									

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
6SN ORDER SUB  
U03 8350 2 STATION NAME  
SOMIS AGEN RCH ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
375 12 02N 21W L S 34.269 119.034 56

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	100D	150D	200D	300D	600D	365D
2	2.49	2.98	3.24	3.52	3.78	3.94	4.14	4.46	5.26	5.69	6.74	8.77	13.74					
5	3.71	4.66	5.13	5.60	5.97	6.31	6.69	7.14	8.24	8.85	10.29	13.41	19.81					
10	4.50	5.79	6.39	6.96	7.39	7.86	8.36	8.90	10.17	10.89	12.54	16.40	23.65					
20	5.24	6.88	7.58	8.23	8.70	9.32	9.92	10.55	11.95	12.77	14.61	19.17	27.19					
25	5.48	7.22	7.95	8.63	9.11	9.77	10.41	11.05	12.51	13.33	15.25	20.03	28.29					
40	5.96	7.92	8.73	9.45	9.31	10.71	11.42	12.12	12.78	13.65	16.56	20.46	30.53					
60	6.16	8.26	9.09	10.31	11.31	12.04	12.62	14.18	15.11	16.85	19.93	25.16	34.75					
100	6.66	9.27	10.46	11.00	11.64	12.99	13.33	15.01	16.65	18.94	22.64	31.58						
200	7.53	12.86	12.88	12.86	12.70	13.80	14.73	15.61	16.38	18.92	20.82	31.92						
1000	9.04	12.56	13.74	14.73	15.30	16.75	17.90	18.94	20.24	22.27	24.84	33.12	44.69					
10000	11.12	15.74	17.17	18.30	18.29	20.83	22.29	23.56	25.80	27.43	30.34	40.70	54.09					
PMP	22.34	30.38	34.16	37.50	39.83	42.78	45.87	48.39	54.24	57.55	65.20	84.94	113.72					

MEAN	2.750	3,386	3,669	3,958	4,204	4,438	4,678	5,027	5,938	6,304	7,372	9,669	14,817					
CLOCK HR, CDR.	1+40	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000					
CALCULATED SKEW	1.1547	1.519	1.24	1.636	1.193	1.346	1.471	1.280	1.540	1.880	1.915	1.688	1.752					
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200					
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200					
KURTOSIS	5.875	6,485	5,076	3,910	5,351	5,586	6,299	5,600	4,563	3,844	3,930	2,805	3,657					
N	57	57	61	64	66	66	67	67	67	67	67	67	67					
RECORD YEAR	1956	1943	1943	1943	1942	1969	1969	1969	1962	1962	1962	1969	1969	1941				
RECORD MAXIMUM	6,570	9,530	9,980	9,980	11,070	11,320	12,070	12,870	14,990	14,990	14,990	17,240	20,770	32,480				
NORMALIZED MAX	2,757	3,569	3,513	3,258	3,462	3,152	3,591	3,318	3,319	3,055	3,009	2,695	3,196					
CALC. COEF. VAR	.504	.508	.490	.467	.472	.492	.468	.470	.472	.451	.445	.426	.373					
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445					
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445					

MEAN/A	.1856	.2287	.2476	.2671	.2837	.2995	.3157	.3393	.3940	.4254	.4975	.6525	1.0000					
RP10/A	.3037	.3910	.4313	.4694	.4987	.5308	.5642	.6008	.6661	.7346	.8463	.1,1067	.1,1067					
RP25/A	.3696	.4870	.5368	.5822	.6149	.6597	.7027	.7465	.8441	.9018	.1,0291	.1,3521	.1,9090					
RP50/A	.4171	.5572	.6072	.6622	.7026	.7526	.8025	.8516	.9571	.1,0281	.1,1572	.1,3879	.1,7132					
RP100/A	.4652	.6259	.6861	.7524	.7747	.8429	.9121	.9809	.1,0569	.1,1372	.1,2640	.1,6379	.2,3450					
RP1000/A	.6126	.8474	.9274	.9938	1,0329	1,1190	1,2082	1,2768	1,4122	1,5031	1,6746	2,2353	3,3663					
RP10000/A	.7508	1,0625	1,1585	1,2349	1,2752	1,3059	1,5043	1,5703	1,7415	1,8516	2,0472	3,6568						
RP100000/A	1,5078	2,0501	2,3054	2,5310	2,6084	2,8874	3,0959	3,2655	3,4621	3,6843	4,4007	5,7326	7,6750					

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
6SN ORDER SUB  
U03 6784 5 STATION NAME  
TAPO WATER CO-SIMI ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
62 1080 34.298 116.721 56

RETURN PERIOD IN YEARS	10	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	100D	150D	200D	300D	600D	YEAR
2	2.53	3.06	3.34	3.58	3.76	3.87	4.10	4.44	5.08	5.36	6.29	8.36	13.38					
5	3.76	4.77	5.28	5.69	5.98	6.20	6.52	7.11	7.91	8.34	9.41	10.36	12.79	19.30				
10	4.57	5.94	6.58	7.07	7.39	7.72	8.27	8.86	9.81	10.26	11.71	15.64	23.05					
20	5.33	7.05	7.80	8.37	8.71	9.15	9.62	10.50	11.54	12.03	13.64	16.29	26.49					
25	5.56	7.40	8.19	8.77	9.11	9.60	10.36	11.01	12.07	12.59	14.24	19.11	27.56					
40	6.05	8.12	8.98	9.61	9.31	10.52	11.30	12.07	12.34	12.85	14.57	19.51	29.75					
50	6.28	8.46	9.36	10.00	10.35	10.95	11.77	12.56	13.65	14.28	16.04	21.59	30.76					
60	6.71	8.79	10.50	11.19	11.54	12.27	13.04	13.80	14.56	15.88	17.77	24.00	33.88					
100	7.47	10.23	11.93	12.53	13.05	13.80	14.58	15.34	16.15	17.58	19.15	25.34	35.35					
200	7.65	10.45	12.05	12.65	13.15	14.45	15.78	17.72	18.86	20.20	20.99	23.71	31.59	43.54				
1000	9.16	12.87	14.15	14.97	15.31	16.45	17.72	18.86	20.20	21.99	23.71	31.59	43.54					
10000	11.30	16.13	17.67	18.61	18.90	20.46	22.06	23.45	24.91	25.89	26.34	38.83	52.70					
PMP	22.69	31.13	35.17	38.14	39.85	42.02	45.40	48.16	52.38	54.24	66.90	81.02	110.79					

MEAN	2,793	3,473	3,777	4,025	4,206	4,359	4,630	5,003	5,636	5,941	6,885	9,222	14,435					
CLOCK HR, CDR.	1,140	1,070	1,040	1,030	1,020	1,010	1,010	1,010	1,010	1,010	1,010	1,000	1,000	1,000				
CALCULATED SKEW	.738	1.430	1.132	.934	.818	.815	.807	.724	.746	.652	.845	.990	1.258					
REGIONAL SKEW	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200					
SKEW USED	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200					
KURTOSIS	3,132	5,765	3,949	3,282	3,094	3,011	2,894	2,689	2,711	2,806	3,017	3,498	5,030					
N	43	43	43	43	43	43	43	43	43	43	43	43	43					
RECORD YEAR	1956	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941	1941	1941				
RECORD MAXIMUM	4,920	8,860	9,340	9,340	9,340	10,460	10,460	11,600	11,800	15,720	21,380	34,830						
NORMALIZED MAX	1,831	3,067	2,709	2,447	2,311	2,336	2,381	2,094	2,243	2,110	2,564	2,746	3,320					
CALC. COEF. VAR	.416	.503	.544	.540	.527	.527	.529	.521	.488	.467	.469	.460	.426					
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.567	.575	.553	.542	.523	.519	.445					
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.576	.575	.553	.542	.523	.519	.445					

MEAN/A	.1935	.2406	.2617	.2788	.2914	.3020	.3207	.3466	.3904	.4116	.4770	.6389	1,0000					
RP10/A	.3167	.4113	.4558	.4900	.5121	.5352	.5731	.6138	.6799	.7107	.8113	1,0355	1,5945					
RP25/A	.3853	.5123	.5673	.6077	.6314	.6651	.7138	.7627	.8364	.8724	.9865	1,3238	1,9090					
RP50/A	.4349	.6862	.6482	.6														

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER 598  
U03 8905 0

STATION NAME	ELEV	SEC	TWP	RND	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
THOUSAND OAKS 128	539	810	11	01N	19W	N	34°17'9	118°48'9	56	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.75	3.37	3.82	4.09	4.28	4.46	4.74	5.04	5.83	5.82	6.92	8.86	13.29
5	4.09	5.26	6.04	6.50	6.76	7.15	7.66	8.06	8.82	9.05	10.57	13.56	19.16
10	4.96	6.54	7.53	8.08	8.36	8.90	9.57	10.04	10.88	11.13	12.88	16.58	22.88
20	5.79	7.76	8.93	9.56	9.85	10.55	11.36	11.90	12.79	13.07	15.01	19.39	26.30
25	6.04	8.14	9.37	10.03	10.31	11.07	11.92	12.48	13.39	13.67	15.66	20.26	27.36
40	6.57	8.94	10.20	10.98	10.54	12.13	13.07	13.68	13.68	13.96	17.02	20.66	29.54
50	6.92	9.32	10.71	11.44	11.71	12.40	13.24	13.81	14.58	14.86	18.24	22.04	30.55
100	7.57	10.67	12.01	12.79	13.06	13.74	14.25	15.04	15.81	16.21	19.55	23.44	33.11
200	8.31	11.60	13.29	14.11	14.37	15.62	16.86	17.61	18.60	18.94	21.39	27.92	36.58
1000	9.97	14.17	16.19	17.11	17.32	18.96	20.49	21.38	22.40	22.78	25.52	33.49	43.23
10000	12.27	17.77	20.22	21.27	21.38	23.59	25.51	26.59	27.62	28.06	31.17	41.16	52.33
PMP	24.65	34.28	40.22	43.58	45.08	48.44	52.51	54.59	58.08	58.87	66.99	85.88	110.00

MEAN	3.033	3.824	4.323	4.600	4.758	5.025	5.355	5.672	6.249	6.448	7.574	9.776	14.333
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+4.77	+4.20	+3.69	+4.97	+3.82	+7.16	+1.29	+1.97	+1.97	+1.30	+1.258	+1.081	+1.032
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.160	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.160	1.000

KURTOSIS	2.717	2.587	2.204	2.403	2.190	3.337	5.563	5.191	5.537	5.124	4.638	6.821	3.856
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1956	1969	1969	1968	1968	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.170	7.280	8.250	9.510	9.510	12.680	16.260	17.41	18.320	18.320	20.680	28.160	31.740
NORMALIZED MAX	1.567	1.876	1.712	1.935	1.835	2.662	3.332	3.249	3.299	3.220	3.147	3.496	2.644
CALC. COEF. VAR	.450	.682	.531	.552	.544	.572	.611	.622	.586	.572	.550	.538	.459
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.2116	.2668	.3016	.3269	.3320	.3506	.3736	.3957	.4380	.4499	.5284	.6821	1.0000
RP10/A	.3464	.4562	.5253	.5640	.5835	.6213	.6676	.7008	.7593	.7769	.8989	.1.1568	.1.5965
RP25/A	.4215	.5682	.6538	.6995	.7194	.7722	.8315	.8708	.9304	.9536	.1.0929	.1.4134	.1.9090
RP50/A	.5157	.6712	.7727	.8110	.8410	.9016	.9591	.1.0092	.1.0602	.1.2310	.1.5971	.2.1432	.2.7130
RP100/A	.5933	.7303	.8381	.8920	.9199	.9880	1.0543	1.1212	1.1900	1.2047	1.3137	1.7478	2.3100
RP1000/A	.6957	.9887	1.1295	1.1946	1.2085	1.3229	1.4294	1.4916	1.5627	1.5894	1.7807	2.3365	3.0163
RP10000/A	.8563	1.2397	1.4109	1.4637	1.4920	1.6456	1.7800	1.8594	1.9271	1.9580	2.1747	2.8715	3.6508
PMP/A	1.7196	2.3920	2.8077	3.0408	3.1454	3.3798	3.6633	3.8091	4.0524	4.1075	4.6739	5.9921	7.6750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER 598  
U03 9182 5

STATION NAME	ELEV	SEC	TWP	RND	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
UPPER OJAI-SUMMIT F5 65A	1540	12	04N	22W	P	5	34°43'8	119°14'0	56	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.90	4.87	5.38	5.79	6.26	6.52	7.02	7.41	8.39	8.87	10.16	13.53	20.77
5	5.79	7.60	8.51	9.20	9.90	10.44	11.34	11.86	13.16	13.80	15.52	20.69	29.96
10	7.03	9.46	10.60	11.43	12.24	13.01	14.11	14.77	16.23	16.97	18.91	20.55	30.37
20	8.19	11.23	12.58	13.53	14.42	15.42	16.81	17.50	19.08	19.92	22.03	29.58	41.12
25	8.56	11.30	13.20	14.18	15.09	16.17	17.64	18.31	19.97	20.63	22.99	31.91	47.77
40	9.31	12.94	14.48	15.52	16.32	17.73	19.24	20.62	20.60	21.28	24.47	34.17	46.17
50	9.56	13.18	15.58	16.96	17.14	18.50	20.15	20.96	22.54	23.80	28.89	34.93	47.15
100	10.72	15.14	16.92	18.09	19.11	20.67	22.58	23.45	23.23	26.27	28.69	38.82	52.56
200	11.77	16.78	18.72	19.96	21.04	22.83	24.95	25.90	27.74	28.87	31.40	42.60	57.19
1000	14.12	20.50	22.80	24.20	25.36	27.71	30.33	31.44	33.40	34.72	37.46	51.11	67.58
10000	17.38	25.71	28.48	30.07	31.30	34.47	37.76	39.10	41.19	42.77	45.75	62.81	81.80
PMP	34.91	49.60	56.68	61.64	66.00	70.79	77.72	80.30	86.62	89.73	98.32	131.66	171.97

MEAN	4.297	5.533	6.088	6.505	6.965	7.344	7.927	8.342	9.319	9.828	11.116	14.919	22.406
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.345	1.615	1.411	1.265	1.227	1.647	1.841	1.818	1.752	1.620	1.665	1.893	1.367
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.160	1.000

KURTOSIS	4.861	6.254	5.235	4.468	4.414	6.349	7.356	7.195	6.606	5.940	6.420	7.665	4.780
N	44	45	45	45	45	45	45	45	45	45	45	45	47
RECORD YEAR	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	8.780	14.860	16.610	17.290	17.750	22.690	27.420	27.66	29.270	29.440	34.390	49.730	56.560
NORMALIZED MAX	2.294	3.267	3.198	2.967	2.714	3.517	3.844	3.815	3.709	3.601	3.786	3.979	3.125
CALC. COEF. VAR	.455	.513	.540	.559	.571	.594	.634	.613	.577	.554	.556	.588	.488
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445

MEAN/A	.1918	.2469	.2717	.2903	.3109	.3270	.3538	.3723	.4159	.4386	.4961	.6658	1.0000
RP10/A	.3139	.4222	.4733	.5102	.5464	.5806	.6321	.6593	.7243	.7574	.8439	.9429	.1.5965
RP50/A	.3819	.5259	.5891	.6328	.6737	.7219	.7613	.8193	.8911	.9297	.1.0261	.1.3701	.1.9090
RP100/A	.4347	.6177	.6721	.7260	.7626	.8236	.8894	.9316	.9745	.1.0165	.1.1656	.1.4591	.2.1432
RP1000/A													

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 9818 0	STATION NAME WHEELER SP T N	ELEV 541	SEC 4150	TWP 21	RNG 06N	LOT 23W	BWM S	LATITUDE 34.597	LONGITUDE 119.325	COUNTY CODE 56
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	100D	365D
2	3.81	5.03	5.41	5.70	6.22	6.19	6.50	7.28	7.95	8.36	10.00	13.58	21.60	
5	5.67	7.86	8.56	9.06	9.84	9.91	10.49	11.66	12.46	13.01	15.28	20.78	31.15	
10	6.88	9.78	10.67	11.26	12.17	12.35	13.11	14.53	15.37	16.00	18.61	25.41	37.19	
20	8.02	11.60	12.65	13.32	14.34	14.64	15.56	17.21	18.07	18.77	21.68	29.71	42.75	
25	8.37	12.31	13.28	13.96	15.01	15.35	16.33	18.05	18.97	19.64	22.63	31.04	44.47	
50	9.16	13.97	14.84	15.59	16.51	16.83	17.71	19.37	19.32	20.08	24.59	31.70	48.01	
50	9.45	13.93	14.77	15.91	17.04	17.48	18.65	20.59	21.64	22.54	25.59	35.08	49.95	
100	10.49	15.65	17.02	17.81	19.00	19.42	20.99	23.04	23.69	24.76	28.24	38.98	54.63	
200	11.52	17.34	18.83	19.66	20.91	21.67	23.11	25.47	26.27	27.22	30.91	42.78	59.47	
1000	13.82	21.19	22.94	23.84	25.21	26.30	28.08	30.92	31.63	32.73	36.88	51.32	70.27	
10000	17.01	26.57	28.65	29.62	31.12	32.72	34.96	38.46	39.01	40.32	45.04	63.07	85.05	
PMP	34.16	51.26	57.01	60.71	65.62	67.20	71.95	78.97	82.02	84.59	96.79	131.62	178.81	

MEAN	4.205	5.718	6.124	6.407	6.925	6.971	7.338	8.205	8.824	9.265	10.943	14.982	23.297
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.539	1.893	1.801	1.636	1.331	1.475	1.371	1.456	1.263	1.119	1.033	1.236	1.243
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000

KURTOSIS	5.946	9.085	8.032	6.445	4.974	5.557	4.982	4.885	4.393	3.758	3.169	4.040	4.149
N	62	41	41	41	42	41	41	42	41	41	43	43	43
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1969	1943	1943	1969	1969	1969
RECORD MAXIMUM	9,560	17,560	19,660	19,680	20,170	20,800	20,870	22,780	22,590	22,720	24,700	39,390	58,320
NORMALIZED MAX	2.545	3.731	3.721	3.431	3.155	3,261	3,151	2,843	2,775	2,627	2,356	2,899	3,049
CALC. COEF. VAR	.500	.555	.594	.604	.606	.608	.585	.625	.562	.553	.533	.562	.493
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.595	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.555	.542	.523	.519	.445

MEAN/A	.1805	.2454	.2629	.2750	.2973	.2992	.3150	.3522	.3768	.3977	.4697	.6431	1.0000
RDP5/A	.2954	.4196	.4579	.4833	.5225	.5302	.5628	.6236	.6596	.6867	.7990	1.0906	1.5965
RDP50/A	.3574	.5267	.5650	.5970	.6590	.7009	.745	.8115	.8429	.8729	.9150	.9325	1.9090
RP100/A	.4505	.6718	.7305	.7644	.8156	.8420	.8972	.9899	.1,0253	.1,0630	.1,2123	.1,6732	.2,0550
RP1000/A	.5933	.9995	.9945	1,0232	1,0822	1,1290	1,2052	1,3272	1,3577	1,4050	1,5829	2,2029	3,0163
RP10000/A	.7302	1,1403	1,2298	1,2715	1,3360	1,4044	1,5005	1,6507	1,6743	1,7307	1,9331	2,7073	3,6508
PMP/A	1,4664	2,2003	2,4472	2,6059	2,8165	2,8864	3,0892	3,3896	3,5207	3,6307	4,1547	5,6494	7,6750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB U04 A706 II	STATION NAME LAKE SHERWOOD	ELEV 1218	SEC 990	TWP 28	RNG 01N	LOT 19W	BWM 0	LATITUDE 34.141	LONGITUDE 118.876	COUNTY CODE 56
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	4D	5D	6D	8D	10D	15D	20D	30D	60D	YEAR
2	3.29	4.11	4.56	4.93	5.27	5.44	5.87	6.22	6.81	7.22	8.68	11.51	17.98
5	4.95	6.33	7.08	7.62	8.10	8.38	9.03	9.51	10.36	10.90	12.85	17.24	25.37
10	6.04	7.84	8.77	9.39	9.93	10.30	10.30	11.10	11.66	12.65	13.26	15.49	20.93
20	7.07	9.28	10.39	11.04	11.62	12.10	13.04	13.68	14.78	15.46	17.93	24.35	34.36
25	7.35	9.78	10.85	11.55	12.15	12.67	13.64	14.31	15.44	16.15	18.68	25.42	35.69
50	8.05	10.19	11.37	12.02	12.60	13.29	14.09	14.81	15.66	16.39	20.22	26.63	38.42
50	8.95	11.12	12.31	13.12	13.71	14.37	15.48	17.22	17.44	18.21	20.21	26.33	39.59
100	9.29	12.47	13.84	14.64	15.27	16.03	16.87	17.37	18.07	19.37	20.20	23.12	31.74
200	10.21	13.86	15.29	16.12	16.77	17.64	19.00	19.81	21.25	21.15	25.23	27.29	47.29
1000	12.28	16.83	18.57	19.47	20.13	21.30	22.93	23.97	25.47	26.51	29.95	41.57	55.66
10000	15.15	21.07	23.14	24.11	24.76	26.35	28.37	29.62	31.21	32.52	36.41	50.94	67.10
PMP	30.58	40.53	45.80	49.03	51.75	53.52	57.60	60.03	65.18	67.56	77.39	105.55	139.68

MEAN	3.636	4.645	5.135	5.496	5.821	6.061	6.535	6.916	7.497	7.934	9.421	12.618	19.293
CLOCK HR, COR.	1.140	1.070	1.040	1.030	1,030	1,020	1,010	1,010	1,010	1,010	1,000	1,000	1,000
CALCULATED SKEW	1.843	2.026	1.524	1.201	1,056	1,363	1,573	1,551	1,594	1,504	1,205	1,276	1,811
REGIONAL SKEW	1.200	1.400	1.300	1.200	1,100	1,200	1,200	1,200	1,200	1,200	1,000	1,000	1,000
SKEW USED	1.200	1.400	1.300	1.200	1,100	1,200	1,200	1,200	1,200	1,200	1,000	1,000	1,000

KURTOSIS	7.019	8.739	5.974	4.273	3,920	4,822	5.712	5.680	5.805	5.481	4,706	4,983	3.022
N	33	33	33	33	33	33	33	33	33	33	32	32	35
RECORD YEAR	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	9,340	14,700	15,160	15,260	15,600	17,090	20,930	21,21	22,850	23,070	25,910	34,100	41,580
NORMALIZED MAX	2.758	3.459	3.159	2,838	2,728	2,762	3,185	3,184	3,240	3,195	3,096	3,150	2,438
CALC. COEF. VAR	.569	.626	.618	.626	.616	.659	.692	.649	.632	.597	.565	.540	.474
REGN. COEF. VAR	.494	.515	.520	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.520	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1,069	.2,408	.2,662	.2,849	.3,017	.3,142	.3,387	.3,585	.3,886	.4,112	.4,883	.6,541	1.0000
RDP5/A	.3,133	.4,055	.4,454	.4,667	.5,146	.5,340	.5,753	.6,045	.6,655	.6,675	.8,031	1,0,047	1,5576
RDP50/A	.3,852	.5,045	.5,425	.5,999	.6,566	.6,855	.7,771	.8,116	.8,836	.9,369	.9,682	1,0,174	1,4948
RP100/A	.4,617	.6,645	.6,714	.7,687	.7,916	.8,037	.8,845	.9,038	.9,288	.9,584	.9,814	1,0,217	1,775
RP1000/A	.6,367	.8,726	.9,626	1,0,092	1,0,043	1,0,1038	1,0,1804	1,0,2422	1,0,3202	1,0,3741	1,0,6453	1,0,6453	2,0574
RP10000/A	.7,055	1,0,0923	1,0,1993	1,0,2495	1,0,2634	1,0,3658	1,0,4703	1,0,5355	1,0,6215	1,0,6655	1,0,6674	2,0,6403	3,4,781
PMP/A	1,0,5850	2,0,1099	2,0,3742	2,0,5413	2,0,6825	2,0,7742	2,0,9856	3,0,1116	3,0,3787	3,0,5018	4,0,0114	5,0,4712	7,0,2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UD4 8967 0		STATION NAME TOPONDA PAT STA FCG		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	70
				745	18	015	16W	F	5	34°08.4	118.599		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.30	5.34	6.03	6.49	6.56	7.10	7.65	8.06	8.92	9.56	10.96	14.52	22.29
5	6.48	8.24	9.36	10.03	10.92	11.78	12.31	13.58	14.43	16.23	21.75	31.46	
10	7.91	10.21	11.58	12.35	13.43	14.48	15.09	16.58	17.57	19.57	26.45	36.13	49.22
20	9.25	12.08	13.67	14.53	14.66	15.78	17.01	17.76	19.37	20.48	22.64	30.73	42.60
25	9.67	12.67	14.33	15.20	15.11	16.51	17.79	18.52	20.24	21.38	23.59	32.07	44.25
40	10.53	13.89	15.69	16.61	15.43	18.03	19.43	20.20	20.65	21.83	25.54	32.73	47.64
50	10.94	14.47	16.33	17.28	17.07	18.73	20.19	20.99	22.85	24.12	26.45	36.13	49.22
100	12.11	16.23	18.20	19.02	19.20	20.89	22.51	23.80	25.20	26.11	28.04	38.02	54.00
200	13.17	17.74	20.24	21.21	20.86	23.26	24.78	25.76	27.04	29.33	31.97	43.97	58.64
1000	16.09	21.91	24.53	25.62	25.05	27.96	29.31	31.02	33.38	35.11	37.83	52.45	69.01
10000	19.84	27.42	30.56	31.72	30.80	34.35	37.00	38.34	40.99	43.07	45.99	64.27	83.20
PMP	40.04	52.75	60.50	64.52	64.39	69.76	75.14	77.69	85.42	89.48	97.75	133.18	173.19
MEAN	4.761	6.045	6.782	7.233	7.243	7.901	8.524	8.951	9.824	10.509	11.899	15.921	23.921
CLOCK HR. COR.	1.140	1.070	1.049	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.469	1.530	1.115	1.069	1.101	1.202	1.435	1.417	1.450	1.298	1.273	1.115	1.040
REGIONAL SKEW													
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.100	1.000	1.000
KURTOSIS	5.530	5.574	3.607	3.527	3.758	4.029	5.346	5.396	5.591	4.893	4.868	4.399	3.849
N	7.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7
RECORD YEAR	1943	1943	1943	1943	1962	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	12.440	16.470	17.370	18.410	19.570	21.460	27.200	28.590	31.440	31.620	34.760	44.140	54.640
NORMALIZED MAX	2.888	2.922	2.558	2.562	2.888	2.794	3.451	3.480	3.509	3.356	3.417	3.305	2.913
CALC. COEF. VAR	.559	.590	.610	.603	.589	.614	.635	.630	.627	.599	.562	.536	.441
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.512	.513	.513	.501	.481	.491	.416
MEAN/A	+1990	+2527	.2835	+3024	+3028	+3303	+3563	+3742	+4107	+4393	+4974	+6656	+1.0000
RP10/A	+3308	+6267	+8404	+5164	+5163	+5614	+6052	+6310	+6932	+7344	+8182	+10308	+1.5576
RP25/A	+4043	+5297	+5991	+6356	+6318	+6962	+7749	+7741	+8459	+8940	+9882	+1.3406	+1.8498
RP50/A	+4573	+6049	+6827	+7216	+7144	+7821	+8439	+8773	+9553	+1.0082	+1.1057	+1.0202	+2.0575
RP100/A	+5087	+6744	+7642	+8052	+7783	+8740	+9410	+9710	+1.0081	+1.0612	+1.1202	+1.2742	+2.1846
RP1000/A	+6725	+9159	+10245	+1.0471	+1.1664	+1.2514	+1.2965	+1.3203	+1.4679	+1.5816	+2.1926	+2.8849	
RP10000/A	+8095	+1.1465	+1.1775	+1.3267	+1.2878	+1.3816	+1.5468	+1.6027	+1.7138	+1.8006	+1.9228	+2.6867	+3.4781
PMP/A	1.6739	2.2051	2.5291	2.6971	2.9165	3.1411	3.2479	3.5711	3.7408	4.0865	5.5674	7.2400	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UD5 14 0		STATION NAME ACTON ESCONDIDO CANYON		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	70
				2940	30	05N	13W	A	5	34°49.2	118.275		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.57	1.89	2.18	2.31	2.40	2.52	2.72	2.94	3.34	3.69	4.17	5.47	9.22
5	2.37	2.91	3.30	3.57	3.69	3.89	4.18	4.50	5.09	5.56	6.18	8.19	13.01
10	2.89	3.60	4.18	4.40	4.52	4.78	5.14	5.51	6.22	6.77	7.45	9.94	15.41
20	3.38	4.26	4.94	5.16	5.30	5.61	6.03	6.47	7.26	7.89	8.62	11.57	17.61
25	3.54	4.47	5.18	5.42	5.54	5.87	6.31	6.76	7.59	8.24	8.98	12.08	18.30
40	3.85	4.90	5.67	5.92	5.65	6.41	6.89	7.38	7.75	8.41	9.73	12.32	19.70
50	4.00	5.11	5.90	6.15	6.12	6.66	6.96	7.16	7.67	8.17	9.30	10.67	16.03
100	4.55	5.60	6.40	6.66	6.66	7.34	7.90	8.44	9.52	10.12	11.12	12.08	20.33
200	4.89	6.34	7.29	7.95	7.64	8.18	8.79	9.40	10.44	11.31	12.14	16.52	24.25
1000	5.88	7.73	8.86	9.13	9.17	9.87	10.61	11.33	12.51	13.53	14.41	19.75	28.54
10000	7.26	9.68	11.04	11.31	11.28	12.22	13.13	14.03	15.37	16.60	17.52	24.20	34.40
PMP	14.65	18.61	21.85	22.99	23.58	24.82	26.66	28.36	32.02	34.49	37.23	50.15	71.61
MEAN	1.741	2.133	2.450	2.578	2.653	2.811	3.024	3.269	3.683	4.051	4.532	5.995	9.891
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.543	1.500	1.121	.926	.865	1.019	.913	.968	.750	.819	.847	1.239	1.107
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
KURTOSIS	5.915	5.894	4.325	3.660	3.408	3.877	3.210	3.216	2.724	2.728	2.868	3.665	3.759
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
RECORD MAXIMUM	4.300	5.730	6.390	6.410	6.470	7.050	7.130	7.690	8.190	8.560	9.970	14.690	22.850
NORMALIZED MAX	2.603	2.930	2.767	2.663	2.575	2.544	2.298	2.358	2.141	1.997	2.186	2.348	2.576
CALC. COEF. VAR	.564	.576	.581	.598	.559	.593	.591	.573	.572	.557	.549	.618	.509
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	+1761	+2156	+2477	+2606	+2682	+2842	+3057	+3305	+3724	+4095	+4582	+6061	+1.0000
RP10/A	+297	+364	+4228	+4451	+4574	+4830	+5193	+5574	+6285	+6847	+7536	+1.0052	+1.5576
RP25/A	+3576	+5159	+5238	+5479	+5596	+5938	+6383	+6767	+7370	+8334	+9044	+1.2209	+1.8496
RP50/A	+4045	+5161	+5965	+6220	+6329	+6737	+7241	+7741	+8240	+8834	+9404	+1.0455	+2.0575
RP100/A	+4500	+5796	+6674	+7038	+7403	+7913	+8468	+8920	+9428	+1.0454	+1.5247	+2.1774	
RP1000/A	+5446	+7096	+7958	+8230	+8795	+9355	+1.0727	+1.1545	+1.2451	+1.5521	+1.6284	+1.9970	+2.8849
RP10000/A	+7326	+9782	+11161	+11430	+11733	+13272	+1.4167	+1.4517	+1.5521	+1.6785	+1.7711	+2.4468	+3.4781
PMP/A	+1,807	+1,8815	+2,2094	+2,3247	+2,3843	+2,5091	+2,6951	+2,8690	+3,2377	+3,4872	+3,7641	+5,0702	+7,2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS 15 SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UOS 115 0	STATION NAME ALISO CANYON DAT MTN	ELEV 2367	SEC 34	TWP 03N	RNG 16W	LOT 5	BWM 34.315	LATITUDE 118.557	LONGITUDE 70	COUNTY CODE
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.40	4.41	4.94	5.44	5.69	6.12	6.70	7.20	8.00	8.51	10.06	12.62	20.65
5	5.13	6.80	7.67	8.41	8.75	9.42	10.30	11.00	12.19	12.84	14.91	18.91	29.14
10	6.26	8.04	9.36	10.16	10.72	11.58	12.61	13.48	15.63	17.77	22.96	34.52	59.52
20	7.32	9.97	11.20	12.18	12.65	13.54	14.88	15.82	17.91	19.32	21.76	27.88	50.96
25	7.65	10.46	11.74	12.75	13.12	14.24	15.57	16.55	18.16	19.03	21.66	24.28	40.99
40	8.34	11.47	12.86	13.92	13.40	15.55	16.99	18.05	18.54	19.42	23.45	28.45	44.13
50	8.66	11.95	13.38	14.47	14.84	16.16	17.65	18.76	20.51	21.46	24.28	31.41	45.59
100	9.63	13.40	14.98	16.15	16.50	18.02	19.69	20.90	22.78	23.81	26.81	34.82	50.02
200	10.58	14.83	16.54	17.78	18.12	19.84	21.68	22.99	24.99	26.10	29.29	38.14	54.32
1000	12.73	18.03	20.09	21.48	21.75	23.94	26.16	27.72	29.95	31.25	34.74	45.61	63.93
PMP	15.70	22.64	25.03	26.59	26.75	29.63	32.37	34.26	36.79	42.23	55.88	77.07	
	31.60	43.55	49.56	54.09	55.91	60.17	65.73	69.43	76.62	89.75	115.79	160.43	

MEAN	3.767	4.991	5.556	6.064	6.289	6.815	7.457	7.999	8.816	9.351	10.926	13.842	22.160
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.058	.998	.810	.712	.794	.820	1.107	1.134	1.171	1.164	1.014	.655	
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	3.519	3.145	2.645	2.275	2.540	2.619	3.463	3.517	3.750	3.674	2.871	3.550	2.622
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1968	1962	1962	1962	1969	1969	1969	1969	1969	1969	1969	1958
RECORD MAXIMUM	7.41	10.00	11.40	12.10	14.30	14.50	19.40	21.00	21.70	23.70	32.00	41.30	
NORMALIZED MAX	1.731	1.824	1.843	1.787	2.003	1.925	2.357	2.550	2.318	2.177	2.435	1.957	
CALC. COEF. VAR	.522	.558	.582	.623	.638	.617	.666	.644	.620	.577	.538	.547	.442
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.528	.528	.526	.521	.513	.501	.481	.491	.416		

MEAN/A	.1700	.2552	.2507	.2736	.2838	.3075	.3345	.3610	.3979	.4220	.4930	.6247	1.0000
RP10/A	.2826	.3803	.4280	.4673	.4840	.5227	.5715	.6087	.6715	.7055	.8109	.10359	.5576
RP25/A	.3453	.4721	.5298	.5753	.5922	.6246	.7025	.7468	.8195	.8587	.9775	.12593	.18498
RP50/A	.3906	.5391	.6037	.6531	.6697	.7291	.7790	.8464	.9254	.9684	.10959	.14175	.20575
RP100/A	.4345	.6047	.6758	.7287	.7446	.8131	.8887	.9431	.1.0278	.1.0745	.1.2099	.1.5714	.2.2574
RP1000/A	.5744	.8163	.9068	.9693	.9815	.1.0805	.1.1007	.1.2509	.1.3517	.1.4100	.1.5676	.2.0581	.2.8849
RP10000/A	.7086	1.0218	1.1297	1.2001	1.2071	1.3369	1.4608	1.5461	1.6602	1.7295	1.9058	2.5216	3.4701
PMP/A	1.4298	1.9653	2.2385	2.4408	2.5230	2.7154	2.9664	3.1333	3.4593	3.5932	4.0504	5.2254	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UOS 1057 1	STATION NAME BREA UNION DIL	ELEV 375	SEC 375	TWP 33.930	RNG 117.915	LOT 30	COUNTY CODE
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RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	2.40	2.94	3.17	3.38	12.62
5	3.62	4.52	4.92	5.22	17.86
10	4.41	5.12	6.00	6.41	24.00
20	5.16	6.45	7.18	7.56	24.39
25	5.39	6.97	7.53	7.91	25.35
40	5.87	7.65	8.25	8.64	25.83
50	6.10	7.93	8.58	9.08	28.30
100	6.79	8.93	9.60	10.02	31.14
200	7.46	9.88	10.61	11.04	33.92
1000	8.97	12.03	12.99	13.52	33.15
10000	11.06	14.09	14.06	14.50	48.83
PMP	22.33	29.02	31.78	33.56	98.72

MEAN	2.655	3.326	3.563	3.763	13.636
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.920	1.292	.668	.762	1.210
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100

KURTOSIS	3.330	9.279	3.857	3.244	4.719
N	42	2	2	42	42
RECORD YEAR	1931	1956	1956	1956	1956
RECORD MAXIMUM	5.240	8.840	8.540	8.540	32.630
NORMALIZED MAX	1.926	2.920	2.596	2.409	3.221
CALC. COEF. VAR	.505	.537	.538	.527	.433
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1947	.2439	.2613	.2760	1.0000
RP10/A	.3236	.4119	.4461	.4713	1.5578
RP25/A	.3955	.5113	.5522	.5801	1.8593
RP50/A	.4473	.5839	.6292	.6586	2.0753
RP100/A	.4976	.6549	.7044	.7348	2.2840
RP1000/A	.6578	.8841	.9451	.9775	2.9442
RP10000/A	.8115	1.1066	1.1774	1.2103	3.5729
PMP/A	1.6374	2.1205	2.3309	2.4615	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 0  
BSN ORDER SUB 0  
UOS 1194 0 STATION NAME BURBANK AP ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.62	3.15	3.49	3.64	3.80	4.00	4.34	4.61	5.20	5.52	6.30	8.41	13.05
5	3.95	4.85	5.42	5.62	5.84	6.16	6.67	7.04	7.92	8.34	9.33	12.60	18.41
10	4.83	6.01	6.70	6.93	7.16	7.58	8.21	8.63	9.67	10.15	11.24	15.30	21.81
20	5.66	7.12	7.92	8.19	8.38	8.56	9.64	10.13	11.29	11.63	13.61	17.80	24.93
50	7.50	7.41	8.42	8.82	9.03	9.31	10.49	11.56	12.51	13.51	15.55	20.50	25.50
40	6.42	8.19	9.00	9.31	9.84	10.17	11.01	11.56	12.05	12.61	14.68	18.06	22.89
50	6.67	8.52	9.45	9.68	9.91	10.57	11.44	12.00	13.32	13.93	15.20	20.93	28.61
100	7.42	9.56	10.58	10.80	11.01	11.78	12.76	13.38	14.80	15.46	16.78	23.21	31.61
200	8.15	10.58	11.69	11.89	12.09	12.97	14.05	14.72	16.20	16.94	18.31	25.42	34.32
1000	9.81	12.91	14.20	14.36	14.52	15.66	16.95	17.74	19.46	20.28	21.74	30.40	40.40
10000	12.10	16.16	17.69	17.78	17.85	19.37	20.97	21.93	23.90	24.88	26.43	37.24	48.70
PMPE	24.42	31.07	35.02	36.17	37.32	39.35	42.59	44.44	49.81	51.69	56.16	77.17	101.38

MEAN	2.904	3.562	3.926	4.055	4.198	4.457	4.831	5.120	5.729	6.071	6.837	9.226	14.002
CLOCK MR.	1.140	1.707	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.618	1.350	1.104	1.130	1.112	1.227	1.395	1.202	1.240	1.400	1.458	1.337	
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	

KURTOSIS	6.081	5.215	3.706	3.677	3.480	3.796	4.001	3.762	3.628	4.208	4.229	4.432	4.276
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1944	1944	1944	1952	1962	1952	1969	1969	1969	1969	1969	1969	1944
RECORD MAXIMUM	7.760	9.000	9.150	9.450	10.090	11.050	12.680	12.990	14.110	16.010	17.020	23.940	33.050
NORMALIZED MAX	2.649	2.720	2.840	2.944	2.944	2.944	2.952	2.952	2.952	2.952	2.952	2.952	2.660
CALC. COEF. VAR	.631	.591	.593	.611	.595	.606	.625	.625	.625	.625	.625	.625	.52
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2074	.2544	.2864	.2896	.2998	.3183	.3450	.3657	.4091	.4336	.4883	.6589	1.0000
RP10/A	.3447	.4294	.4786	.4868	.5113	.5410	.6160	.6160	.7248	.7600	.9427	1.5576	
RP25/A	.4712	.5700	.5956	.6051	.6151	.6260	.6905	.6905	.7627	.8093	.9480	1.6190	
RP50/A	.6168	.7655	.7691	.7751	.7704	.7745	.8717	.8717	.8873	.9516	.9980	1.0853	1.4951
RP100/A	.7530	.8629	.7557	.7712	.7685	.8416	.9112	.9112	.9553	1.0569	1.1040	1.1981	1.6574
RP1000/A	.7006	.9218	1.0140	1.0258	1.0368	1.1183	1.2105	1.2671	1.3900	1.4497	1.5524	2.1707	2.6849
RP10000/A	.8643	1.1538	1.2933	1.2701	1.2751	1.3837	1.4977	1.5662	1.7072	1.7770	1.8872	2.6597	3.4781
PMPE	1.7440	2.2192	2.5009	2.5832	2.6652	2.8105	3.0414	3.1739	3.5573	3.6917	4.0110	5.5114	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 0  
BSN ORDER SUB 0  
UOS 1896 0 STATION NAME COLBY'S FC 530 ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.09	6.49	7.38	7.86	8.42	8.72	9.16	9.73	10.76	11.63	13.43	16.79	26.16
5	7.67	10.01	11.45	12.15	12.94	13.42	14.12	14.86	16.39	17.55	19.89	25.15	36.92
10	9.36	12.40	14.17	14.94	15.95	16.51	17.35	18.22	20.01	21.36	23.98	30.54	43.72
20	10.95	14.67	16.43	17.59	18.56	19.39	20.38	21.37	23.31	24.91	27.74	35.54	49.98
25	11.44	15.00	16.57	16.40	17.00	17.30	20.24	21.33	22.42	24.20	26.90	31.09	41.53
40	12.46	16.87	20.00	20.11	19.81	20.71	22.28	23.39	24.24	26.34	31.29	37.85	51.91
50	13.94	17.57	20.98	20.90	21.93	23.02	24.20	25.25	27.57	29.33	32.40	41.79	57.76
100	14.39	19.71	22.37	23.23	24.39	25.68	26.98	28.23	30.62	32.54	35.77	46.32	63.37
200	15.82	21.82	24.71	25.69	26.78	28.27	29.70	31.00	33.60	35.67	39.04	50.74	68.81
1000	19.03	26.61	30.01	31.03	32.15	34.12	35.85	37.44	40.27	42.70	46.35	60.67	80.99
10000	23.47	33.31	37.31	38.41	39.54	42.22	44.45	46.21	49.46	52.98	56.35	74.34	97.64
PMPE	47.36	64.06	74.02	78.13	82.64	85.75	90.66	95.79	103.07	108.02	119.76	154.04	203.24

MEAN	5.632	7.342	8.299	8.759	9.266	9.711	10.217	10.805	11.854	12.779	14.578	18.415	28.072
CLOCK MR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.133	1.203	1.291	1.327	1.195	1.037	1.203	1.471	1.240	1.205	1.009	1.387	.751
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	

KURTOSIS	4.356	5.085	5.129	5.150	4.653	4.302	5.212	6.018	4.986	4.918	3.921	5.682	3.170
N	74	73	73	73	73	73	73	73	73	73	73	74	74
RECORD YEAR	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1969
RECORD MAXIMUM	13.850	21.220	26.040	27.550	28.810	29.000	31.100	34.100	37.400	39.080	39.640	59.200	66.500
NORMALIZED MAX	2.722	3.308	3.522	3.432	3.397	3.397	3.477	3.477	3.564	3.614	3.612	3.822	2.888
CALC. COEF. VAR	.530	.561	.566	.573	.610	.586	.596	.620	.607	.603	.571	.586	.475
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2006	.2616	.2956	.3120	.3311	.3459	.3640	.3869	.4223	.4552	.5193	.6360	1.0000
RP10/A	.3335	.4441	.5238	.5328	.5647	.5949	.6189	.6491	.7128	.7511	.8541	1.0579	1.5576
RP25/A	.4055	.5247	.6249	.5959	.7229	.7598	.7963	.6698	.9264	1.0296	1.3213	.5498	
RP50/A	.6260	.7116	.7447	.7614	.8022	.8820	.9025	.9822	1.0448	1.1543	1.4895	2.0575	
RP100/A	.5109	.7022	.7960	.8308	.8688	.9146	.9611	.9892	1.0449	1.1592	1.2743	1.6502	2.2574
RP1000/A	.6778	.9479	1.0691	1.1052	1.1452	1.2154	1.2770	1.3338	1.4347	1.5211	1.6512	2.1613	2.8084
RP10000/A	.8361	1.1865	1.3320	1.3368	1.0848	1.9030	1.5799	1.6467	1.7621	1.8658	2.0473	2.6461	3.4781
PMPE	1.6672	2.2826	2.6360	2.7031	2.9438	3.0545	3.2082	3.3410	3.6717	3.8764	4.2662	5.4874	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB FULLERTON HILLCRST RE 360 33.867 117.904 30

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS				
	10	20	30	40	# YR
2	2.36	2.93	3.27	3.47	12+22
5	3.56	4.51	5.07	5.36	17+30
10	4.35	5.59	6.28	6.60	20+30
20	5.09	6.91	7.79	8.76	23+30
25	5.31	6.94	7.79	8.12	24+55
40	5.79	7.61	8.51	8.87	25+01
50	6.01	7.92	8.81	9.22	27+40
100	6.66	8.89	9.91	10.29	30+16
200	7.34	9.84	10.95	11.33	32+84
1000	8.53	11.00	13.09	13.90	35+97
10000	10.90	15.02	16.51	16.95	47.17
PMP	21.99	26.88	32.01	36.44	95.59
MEAN	2.615	3.310	3.678	3.866	13+203
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED COEF.	.865	.696	.627	.458	1.329
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100
KURTOSIS	3.269	2.532	2.585	2.310	5.299
N	42	42	42	42	42
RECORD YEAR	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.10	8.680	7.800	7.200	36+100
NORMALIZED MAX	2.014	2.006	2.234	2.144	3.439
CALC. COEF. VAR	.483	.505	.505	.479	.505
REON. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416
MEAN/A	.1981	.2507	.2786	.2926	1.0000
RP10/A	.3292	.4233	.4756	.4998	1.5578
RP25/A	.4023	.5252	.5887	.6152	1.8593
RP50/A	.4550	.6001	.6708	.6964	2.0753
RP100/A	.5062	.6732	.7509	.7793	2.2840
RP1000/A	.6692	.9087	1.0075	1.0366	2.9442
RP10000/A	.8255	1.1374	1.2552	1.2835	3.5729
PMP/A	1.6657	2.1877	2.4849	2.6103	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB FULLERTON A P 94 33.871 117.976 30

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS				
	10	20	30	40	# YR
2	2.15	2.64	2.80	2.95	11+02
5	3.25	4.07	4.34	4.56	15+00
10	3.96	5.20	5.37	5.62	18+55
20	4.43	5.97	6.15	6.51	21+29
25	4.84	6.26	6.45	6.92	22+50
40	5.27	6.87	7.20	7.56	22+55
50	5.47	7.15	7.58	7.85	24+71
100	6.09	8.03	8.48	8.76	27.19
200	6.69	8.85	9.37	9.65	29.61
1000	8.05	10.83	11.36	11.66	35.05
10000	9.93	13.58	14.18	14.43	42.54
PMP	20.04	26.08	28.06	29.36	88.20
MEAN	2.383	2.989	3.148	3.291	11+906
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	1.021	1.333	.976	.759	.965
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100
KURTOSIS	4.112	4.819	3.606	2.685	3.594
N	28	28	28	28	28
RECORD YEAR	1956	1956	1956	1956	1952
RECORD MAXIMUM	4.880	7.377	7.433	7.332	23+20
NORMALIZED MAX	2.110	2.877	2.844	2.822	2.240
CALC. COEF. VAR	.478	.563	.546	.543	.435
REON. COEF. VAR	.494	.515	.526	.528	.416
USED COEF. VAR	.494	.515	.526	.528	.416
MEAN/A	.2002	.2511	.2644	.2784	1.0000
RP10/A	.3327	.4239	.4513	.4721	1.5578
RP25/A	.4066	.5262	.5587	.5811	1.8593
RP50/A	.4598	.6009	.6357	.6597	2.0753
RP100/A	.5116	.6740	.7127	.7361	2.2840
RP1000/A	.6762	.9099	.9562	.9792	2.9442
RP10000/A	.8342	1.1389	1.1913	1.2123	3.5729
PMP/A	1.6433	2.1908	2.3504	2.4657	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB UOS 3452 0	STATION NAME GLENDOORA WEST 85	ELEV 822	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
			10	20	30	40	50	60	80	100	150	200	300	600
2	3.49	4.43	4.97	5.29	5.61	5.90	6.31	6.72	7.44	8.12	9.52	12.62	20.46	
5	5.26	6.83	7.71	8.19	8.62	9.08	9.71	10.27	11.32	12.26	14.11	16.91	24.89	
10	6.43	8.47	9.54	10.08	10.56	11.16	11.94	12.60	13.82	14.93	17.01	22.95	34.21	
20	7.51	10.02	11.27	11.86	12.36	13.12	14.02	14.78	16.15	17.40	19.67	26.71	39.11	
25	7.85	10.51	11.81	12.41	12.92	13.73	14.67	15.46	16.87	18.17	20.50	27.88	40.62	
40	8.55	11.52	12.94	13.55	13.19	14.39	15.02	16.86	17.22	18.54	22.20	26.45	43.74	
50	8.68	12.00	13.36	14.09	14.61	15.57	16.85	17.52	19.05	20.20	22.49	31.44	45.18	
100	9.66	13.46	14.70	15.31	15.91	16.74	18.50	19.25	21.16	22.73	25.57	32.82	45.37	
200	10.86	14.96	16.65	17.31	17.84	18.26	20.44	21.21	24.92	27.69	38.14	51.83		
400	10.06	18.17	20.22	20.91	21.41	23.08	24.66	25.89	27.83	29.83	32.88	45.60	63.35	
1000	16.11	22.75	25.19	25.89	26.34	28.96	30.51	32.00	34.18	36.59	39.97	55.87	76.38	
PMP	32.51	43.75	49.87	52.65	55.05	58.00	61.96	64.85	71.21	76.02	84.94	115.77	156.99	

MEAN	3.865	5.014	5.591	5.903	6.192	6.508	7.029	7.471	8.190	8.928	10.340	13.840	21.980	
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.226	1.548	1.157	1.078	.900	.894	.777	.743	.634	.628	.634	1.038	1.457	1.211
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000	
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000	

KURTOSIS	3.961	6.145	4.397	4.028	3.494	3.205	3.200	3.130	2.660	5.694	4.397	6.044	5.355	
RECORD YEAR	1891	1934	1934	1934	1934	1934	1969	1969	1884	1884	1884	1884	1884	
RECORD MAXIMUM	6.200	14.800	15.540	16.240	16.240	17.500	17.88	18.780	20.660	24.410	43.940	60.620		
NORMALIZED MAX	2.250	3.780	3.388	3.357	3.176	2.949	3.013	2.871	2.689	4.252	3.696	4.165	4.079	
CALC. COEF. VAR	.498	.516	.525	.522	.511	.499	.494	.485	.481	.520	.499	.522	.432	
REGN. COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491	.418	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.501	.481	.491	.491	.416	

MEAN/A	.1760	.2283	.2546	.2688	.2820	.2991	.3201	.3402	.3729	.4066	.4709	.6302	1.0000	
RP10/A	.2926	.3855	.4346	.4590	.4808	.5084	.5437	.5737	.6295	.6797	.7744	1.0452	1.5576	
RP25/A	.3575	.7875	.5380	.5651	.5883	.6251	.6683	.7038	.7682	.8273	.9335	1.2695	1.8498	
RP50/A	.4044	.5465	.6130	.6415	.6563	.7092	.7581	.8045	.8533	.9333	1.0660	1.2051	1.2053	
RP100/A	.4949	.8062	.7154	.7779	.8086	.8588	.9088	.9583	.9954	1.0454	1.1854	1.3554	1.5575	
RP1000/A	.5947	.8774	.9577	.9751	1.0599	1.1231	1.1789	1.2571	1.3585	1.4763	1.6074	1.7664	2.6849	
RP10000/A	.7336	1.0358	1.1571	1.1789	1.1932	1.2003	1.2395	1.4572	1.5562	1.6683	1.8200	2.5454	3.4781	
PMP/A	1.4804	1.9921	2.2710	2.3976	2.5056	2.6411	2.8217	2.9530	3.2428	3.4619	3.8681	5.2720	7.2400	

STATION NO. 85N ORDER SUB UOS 4017 0	STATION NAME HOEGEES	ELEV 2650	PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE											
			10	20	30	40	50	60	80	100	150	200	300	600
2	8.05	9.25	10.12	10.57	10.81	11.58	12.21	13.47	14.42	16.74	21.56	34.50		
5	9.82	12.42	14.35	15.66	16.64	17.80	18.65	20.51	21.76	24.79	32.30	48.69		
10	11.98	15.38	17.75	19.26	19.90	20.45	21.89	22.87	25.05	26.49	29.89	39.21	57.67	
20	14.01	18.21	20.97	22.63	23.30	24.03	25.71	26.82	29.26	30.88	34.57	45.64	65.93	
25	14.65	19.10	21.90	23.71	24.35	25.15	26.90	28.00	30.56	32.25	36.02	47.63	68.49	
40	15.95	20.94	24.07	25.90	28.47	27.45	29.37	30.60	31.20	32.91	39.20	48.61	73.74	
50	16.56	21.81	25.51	26.74	27.54	29.53	30.52	31.23	32.35	34.34	36.34	39.66	56.74	71.18
100	18.26	24.26	28.03	30.03	30.52	31.24	33.43	35.43	36.34	40.35	44.53	59.48	83.56	
200	20.29	27.04	30.39	33.09	33.82	35.03	37.46	38.98	42.05	44.23	48.66	65.19	90.76	
400	24.36	33.02	37.61	39.96	40.36	42.28	45.21	46.99	50.62	52.95	57.77	77.91	106.81	
1000	30.05	41.33	46.81	49.48	49.64	52.31	55.94	58.08	61.92	64.95	70.23	95.45	128.77	
PMP	69.64	79.50	92.77	100.62	103.75	106.28	113.59	117.71	129.02	134.93	149.27	197.80	288.06	

MEAN	7.210	9.112	10.401	11.281	11.670	12.034	12.886	13.561	14.839	15.846	18.170	23.646	37.025	
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.193	2.685	1.926	1.597	1.504	1.437	1.273	1.400	1.227	1.054	.847	1.218	.670	
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000	
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000	

KURTOSIS	6.924	13.094	8.030	5.800	5.305	5.264	4.571	5.180	4.463	3.695	3.130	4.837	2.458	
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	
RECORD MAXIMUM	20,570	36,340	36,940	37,340	37,520	38,200	38,800	42,350	42,950	42,950	43,380	67,210	76,620	
NORMALIZED MAX	3,265	4,455	3,830	3,436	3,351	3,362	3,425	3,169	2,965	2,599	3,420	5,244		
CALC. COEF. VAR	.568	.671	.666	.672	.661	.647	.628	.620	.598	.573	.534	.539	.437	
REGN. COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491	.418	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.501	.481	.491	.491	.418	

MEAN/A	.1947	.2461	.2809	.3047	.3152	.3250	.3480	.3663	.4008	.4280	.4908	.6387	1.0000	
RP10/A	.3237	.4155	.4795	.5203	.5375	.5524	.5911	.6176	.6765	.7155	.8072	1.0591	1.5576	
RP25/A	.3956	.5156	.5936	.6405	.6577	.6792	.7266	.7702	.8255	.8979	.9229	1.2808	1.8080	
RP50/A	.4474	.5890	.6764	.7272	.7436	.7706	.8242	.8624	.9032	.9828	.1.0909	1.4922	2.1575	
RP100/A	.4977	.6626	.7572	.8113	.8770	.9194	.956							

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 315 33.933 117.944 30  
UOS 4659 11 LA MABRA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	W YR
2	2.75	3.29	3.84	3.66	3.47	13.77
5	4.15	5.07	5.49	5.66	5.96	19.50
10	5.06	6.27	6.80	6.97	7.33	23.19
20	5.92	7.43	8.03	8.20	8.61	26.61
25	6.19	7.84	8.82	8.56	9.36	27.91
40	6.74	8.54	9.47	9.37	10.20	32.20
50	7.00	8.90	9.59	9.74	10.69	30.69
100	7.78	9.98	10.74	10.67	13.40	34.00
200	6.55	11.00	11.81	11.97	13.70	37.02
1000	10.29	13.47	14.40	14.46	14.82	43.82
10000	12.69	16.86	17.95	17.90	19.90	53.18
PMP	25.61	32.43	35.53	36.41	40.76	

MEAN	3.045	3.717	3.983	4.082	14.884
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	1.367	1.196	.850	.681	1.07
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100

KURTOSIS	5.425	4.597	3.378	2.892	3.626
N	41	41	41	41	43
RECORD YEAR	1934	1956	1956	1956	1941
RECORD MAXIMUM	7.200	8.680	8.700	8.700	33.520
NORMALIZED MAX	2.725	2.584	2.384	2.293	2.795
CALC. COEF. VAR	.501	.517	.501	.493	.448
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.2046	.2497	.2676	.2743	1.0000
RP10/A	.3400	.4216	.4568	.4684	1.5578
RP25/A	.4155	.5273	.5374	.5456	1.8551
RP50/A	.4710	.5976	.6443	.5546	2.1553
RP100/A	.5229	.6704	.7212	.7303	2.2840
RP1000/A	.6912	.9049	.9677	.9715	2.9442
RP10000/A	.8526	1.1327	1.2057	1.2029	3.5729
PMP/A	1.7205	2.1786	2.3868	2.4465	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 180 33.768 116.191 70  
UOS 5082 5 LONG BEACH 224

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.18	2.54	2.73	2.91	3.05	3.22	3.47	3.68	4.22	4.52	5.35	7.08	11.12
5	3.29	3.91	4.24	4.50	4.69	4.96	5.33	5.63	6.43	6.82	7.93	10.61	15.70
10	4.01	4.85	5.25	5.54	5.74	6.10	6.55	6.90	7.85	8.30	9.55	12.88	18.59
20	4.69	5.74	6.20	6.52	6.72	7.16	7.70	8.10	9.17	9.68	11.05	14.99	21.26
25	4.90	6.02	6.49	6.82	7.03	7.49	8.05	8.47	9.50	10.10	11.52	15.64	22.18
40	5.31	6.60	7.00	7.45	7.88	8.36	9.08	9.54	10.76	11.91	13.20	17.56	23.77
50	5.64	6.87	7.40	7.74	7.95	8.50	9.14	9.60	10.82	11.39	12.92	17.67	24.56
100	6.16	7.71	8.28	8.64	8.03	9.44	10.19	10.70	12.02	12.64	14.26	19.54	26.95
200	6.77	8.53	9.15	9.51	9.70	10.44	11.22	11.77	13.19	13.86	15.56	21.60	29.26
1000	8.15	10.40	11.11	11.49	11.64	12.60	13.54	14.19	15.81	16.59	18.48	25.59	34.44
10000	10.05	13.02	13.85	14.23	15.59	16.75	17.54	19.42	20.35	22.45	31.35	41.52	
PMP	20.29	25.05	27.41	26.94	29.93	31.68	34.01	35.54	40.46	42.27	47.74	64.97	86.42

MEAN	2.412	2.871	3.073	3.244	3.367	3.566	3.694	4.046	4.653	4.964	5.812	7.766	11.937
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.063	.761	.775	.601	.633	.366	.642	.711	.778	.606	.679	.591	.759
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.100	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.100	1.100	1.000

KURTOSIS	3.097	2.997	3.083	2.798	3.006	2.607	3.360	3.524	3.469	3.162	3.655	3.195	3.995
N	80	80	80	80	80	80	80	80	80	80	80	80	80
RECORD YEAR	1956	1956	1956	1956	1936	1936	1969	1937	1969	1969	1916	1969	1941
RECORD MAXIMUM	5.500	6.190	6.710	6.710	7.290	7.290	8.930	9.200	10.720	10.880	13.700	15.960	27.760
NORMALIZED MAX	2.544	2.458	2.559	2.435	2.714	2.515	3.091	2.936	2.982	2.756	3.216	2.645	3.332
CALC. COEF. VAR	.503	.704	.653	.437	.604	.604	.1025	.4225	.437	.432	.400	.398	
REGN. COEF. VAR	.494	.515	.528	.520	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.491	.491	.491	

MEAN/A	.2021	.2405	.2575	.2710	.2821	.3004	.3232	.3430	.3886	.4159	.4869	.6506	1.0000
RP1/A	.3359	.4661	.5441	.6441	.7010	.7519	.8284	.8670	.9553	.9928	1.0102	1.0376	1.5576
RP2/A	.4105	.5500	.6440	.7443	.8010	.8744	.9474	.9796	.9828	.9843	.9933	1.0102	1.5576
RP5/A	.4642	.5756	.6199	.6686	.7122	.7656	.8042	.8666	.9565	.9922	1.0473	2.0757	
RP10/A	.5165	.6457	.6939	.7236	.7401	.7943	.8055	.8980	1.0070	.04590	1.1947	1.6366	2.2574
RP100/A	.6627	.8716	.9311	.9626	.9755	1.0554	1.1339	1.1805	1.3243	1.3097	1.5460	2.1436	2.8049
RP1000/A	.8422	1.0910	1.1600	1.1918	1.1990	1.3059	1.4249	1.4659	1.6265	1.7046	1.8011	2.6264	3.4781
RP10000/A	1.6994	2.0984	2.2905	2.4240	2.5077	2.6526	2.8486	2.9770	3.3091	3.5414	3.9999	5.4424	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UDS 5085 0	STATION NAME LONG BEACH	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	70		
RETURN PERIOD IN YEARS		36						33.817	118.150		70		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	ID	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.20	2.69	3.03	3.21	3.34	3.47	3.77	4.09	4.62	4.94	5.89	7.75	11.84
5	3.31	4.14	4.70	4.96	5.13	5.33	5.81	6.24	7.03	7.46	8.72	11.61	16.71
10	4.04	5.13	5.81	6.11	6.29	6.56	7.14	7.66	8.58	9.08	10.51	14.10	19.79
20	4.73	6.07	6.86	7.19	7.33	7.71	8.38	8.98	10.03	10.58	12.16	16.41	22.63
25	4.94	6.37	7.19	7.52	7.69	8.06	8.77	9.39	10.47	11.05	12.67	17.12	23.51
40	5.18	6.66	7.88	8.22	8.66	8.80	9.58	10.25	10.69	11.26	13.72	17.74	25.31
50	5.59	7.27	8.60	8.94	9.15	9.45	10.20	10.95	11.43	12.43	14.21	19.29	26.15
100	6.22	8.16	9.18	9.53	9.67	10.02	11.10	11.86	12.14	13.03	15.49	21.38	28.65
200	6.63	9.03	10.14	10.49	10.62	11.23	12.22	13.05	14.41	15.16	17.12	23.42	31.15
1000	8.22	11.01	12.31	12.67	12.75	13.96	14.74	15.74	17.28	18.14	20.33	28.01	36.66
10000	10.14	13.78	15.34	15.69	15.68	16.77	18.24	19.45	21.22	22.26	24.71	34.31	44.20
PMP	20.46	26.50	30.37	31.94	32.77	34.07	37.04	39.41	44.21	46.24	52.52	71.11	92.00
MEAN	2.433	3.038	3.404	3.578	3.687	3.856	4.202	4.541	5.085	5.430	6.393	8.501	12.707
CLOCK HR COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.781	.643	.476	.452	.469	.393	.547	.890	.920	1.027	.858	.762	.971
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.100	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.100	1.000	1.000
KURTOSIS	3.395	3.001	2.573	2.486	2.550	2.299	2.704	4.201	4.080	4.796	4.043	3.758	4.347
N	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1956	1956	1956	1956	1938	1938	1937	1937	1937	1937	1937	1937	1941
RECORD MAXIMUM	4,680	6,600	7,230	7,230	7,380	7,400	8,770	11,730	13,290	14,650	15,890	20,160	29,110
NORMALIZED MAX	2,070	2,373	2,187	1,999	1,967	1,841	2,196	3,049	2,995	3,292	2,962	2,797	2,757
CALC. COEF. VAR	.446	.494	.514	.511	.504	.498	.495	.519	.539	.530	.502	.490	.468
REON. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1914	.2390	.2679	.2816	.2901	.3036	.3307	.3573	.4002	.4273	.5031	.6950	1.0000
RP10/A	.3182	.4036	.4573	.4808	.4947	.5161	.6026	.6754	.8274	.1.0404	.1.5576		
RP20/A	.3186	.4010	.5061	.5759	.6054	.6345	.7393	.8248	.9773	.1.3441	.1.8460		
RP50/A	.4389	.5716	.6720	.7050	.7408	.7739	.8703	.9807	.1.1815	.1.7779	.2.0575		
RP100/A	.4893	.6418	.7221	.7498	.7611	.8028	.8732	.9336	.1.0338	.1.0882	.1.3435	.1.5829	
RP1000/A	.6668	.8663	.9669	.9973	1.0033	1.0668	1.1601	1.2383	1.3595	1.4279	1.5995	2.2040	2.8869
RP10000/A	.7978	1.0643	1.2072	1.2348	1.2399	1.3200	1.4353	1.5106	1.6698	1.7515	1.9445	2.7004	3.4781
PMP/A	1.6099	2.0856	2.3898	2.5115	2.5791	2.6812	2.9147	3.1017	3.4794	3.6368	4.1327	5.5958	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB UDS 5111 4	STATION NAME LOS ANGELES OCONUNOM 716	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	70		
RETURN PERIOD IN YEARS		270	27	015	13W	H	S	34.053	118.237		70		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
	ID	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.55	3.04	3.44	3.72	3.91	4.13	4.47	4.80	5.41	5.80	6.79	9.01	14.12
5	3.84	4.69	5.33	5.75	6.01	6.36	6.89	7.34	8.23	8.75	10.06	13.51	19.93
10	4.68	5.68	6.66	7.08	7.36	7.82	8.45	9.00	10.05	10.65	12.12	16.40	23.60
20	5.48	6.87	7.79	8.33	8.61	9.08	9.93	10.55	11.74	12.41	14.03	19.08	26.99
25	5.72	7.21	8.07	8.71	9.00	9.61	10.39	11.27	12.27	12.96	14.61	19.22	28.03
40	6.24	7.82	8.94	9.29	9.70	10.34	11.45	12.04	12.72	13.37	15.22	20.20	30.38
50	6.47	8.23	9.31	9.89	10.18	10.90	11.79	12.51	13.85	14.52	16.39	21.18	
100	7.20	9.23	10.42	11.04	11.32	12.16	13.15	13.94	15.39	16.22	18.09	24.87	34.21
200	7.91	10.22	11.51	12.16	12.43	13.39	14.47	15.33	16.89	17.78	19.74	27.24	37.15
1000	9.52	12.46	13.94	14.68	14.92	16.16	17.46	18.49	20.23	21.29	23.44	32.57	43.72
10000	11.75	15.66	17.42	18.18	18.35	19.99	21.61	22.85	24.85	26.11	28.49	39.91	52.71
PMP	23.70	30.00	34.48	36.98	38.36	40.69	43.88	46.31	51.78	54.26	60.55	82.71	109.72
MEAN	2.818	3.439	3.866	4.145	4.316	4.598	4.978	5.335	5.956	6.370	7.371	9.887	15.155
CLOCK HR COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.507	1.241	1.100	1.053	.920	.845	.766	.861	.881	.817	.746	1.115	1.005
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.100	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.000	1.100	1.000	1.000
KURTOSIS	5.861	4.945	4.110	3.994	3.551	3.386	3.305	3.871	3.592	3.267	3.121	4.650	4.377
N	101	101	101	101	101	101	101	101	101	101	101	101	101
RECORD YEAR	1996	1956	1875	1938	1969	1969	1875	1875	1869	1869	1869	1884	
RECORD MAXIMUM	7,430	8,700	9,770	10,610	11,660	11,190	13,210	14,800	15,080	15,110	16,510	27,220	38,180
NORMALIZED MAX	3,217	3,142	2,952	3,094	2,815	3,244	3,519	3,014	2,746	2,554	3,547	3,484	
CALC. COEF. VAR	.509	.481	.528	.528	.526	.526	.522	.510	.509	.500	.489	.490	.436
REON. COEF. VAR	.494	.515	.528	.528	.526	.526	.522	.512	.512	.511	.481	.491	.436
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.522	.512	.512	.511	.481	.491	.416
MEAN/A	.1860	.2269	.2551	.2735	.2848	.3034	.3285	.3520	.3938	.4203	.4854	.6524	1.0000
RP10/A	.3091	.3833	.4354	.4671	.4856	.5158	.5578	.5973	.6633	.7027	.8033	.9820	1.5550
RP20/A	.3577	.4776	.5390	.5755	.5922	.6147	.6562	.7001	.7647	.8046	.8424	.9452	1.4998
RP50/A	.4472	.5431	.6168	.679	.7194	.7779	.8254	.9141	.9647	.9811	.1.0804		
RP100/A	.4753	.6692	.6875	.7294	.7471	.8023	.8674	.9197	1.0531	1.0704	1.1935	1.6412	2.2574
RP1000/A	.6283	.8223	.9225	.9689	.9848	1.0661	1.1524	1.2199	1.3352	1.4046	1.5465	2.1495	2.8849
RP10000/A	.7750	1.0294	1.1493	1.1997	1.2112	1.3191	1.4258	1.5079	1.6399	1.7228	1.8800	2.6336	3.4781
PMP/A	1.5639	1.9799	2.2732	2.4399	2.5316	2.6793	2.8954	3.0559	3.4793	3.5997	5.4575	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 5114 0 LOS ANGELES WB 105 06 035 14W B S 33.942 118.387 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	2.92	3.35	3.96	3.72	3.82	4.15	4.46	5.08	5.46	6.46	8.41	13.84
5	3.70	4.51	5.19	5.50	5.71	5.88	6.38	6.82	7.74	8.24	9.57	12.60	18.83
10	4.52	5.58	6.43	6.78	7.00	7.23	7.64	8.36	9.44	10.03	11.93	15.30	22.31
20	5.29	6.61	7.59	7.97	8.19	8.50	9.21	9.81	11.03	11.70	13.34	17.01	25.50
25	5.53	6.93	7.95	8.34	8.56	8.89	9.64	10.26	11.53	12.21	13.90	18.58	26.49
50	6.05	7.70	8.71	9.11	9.47	9.81	10.53	11.19	12.47	13.02	14.75	18.37	25.52
50	6.25	7.91	8.96	9.47	9.68	10.09	10.53	11.53	12.77	13.32	15.58	20.94	29.46
100	6.95	8.88	10.15	10.57	10.76	11.25	12.19	12.96	14.66	15.28	17.20	23.21	32.33
200	7.64	9.83	11.21	11.64	11.82	12.35	13.62	14.26	15.86	16.75	18.78	25.42	35.10
1000	9.19	11.98	13.61	14.05	14.19	14.95	16.20	17.19	19.01	20.05	22.29	30.40	41.31
10000	11.30	15.00	16.96	17.40	18.50	20.04	21.25	23.35	24.60	27.10	37.25	49.81	
PMP	22.88	28.85	33.58	35.39	36.47	37.59	40.70	43.06	48.65	51.10	57.59	77.18	103.68
MEAN	2.720	3.307	3.764	3.967	4.103	4.257	4.617	4.980	5.596	6.002	7.011	9.227	14.320
CLOCK HR. COR.	1.100	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.324	.953	.850	.976	.907	.857	.668	.564	.657	.822	.896	.895	.999
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	4.384	3.654	3.192	3.643	3.453	3.152	2.477	2.114	2.267	2.671	3.103	3.060	3.886
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1938	1956	1938	1938	1938	1938	1938	1938	1938	1941	1938	1941	1941
RECORD MAXIMUM	5.880	7.440	9.210	10.680	11.000	11.600	11.07	11.13	12.260	14.220	18.170	21.320	32.790
NORMALIZED MAX	2.008	2.356	2.403	2.732	2.759	2.646	2.367	2.173	2.045	2.330	2.312	2.398	2.673
CALC. COEF. VAR	.578	.530	.602	.619	.615	.604	.591	.572	.582	.580	.565	.547	.462
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
MEAN/A	.1900	.2309	.2629	.2771	.2865	.2972	.3224	.3464	.3907	.4191	.4896	.6443	.0000
RP10/A	.3158	.3899	.4487	.4731	.4880	.5052	.5476	.5841	.6595	.7005	.8052	.9085	.5576
RP20/A	.4364	.5300	.5526	.5624	.5760	.6211	.6761	.7122	.7652	.8240	.8928	.9500	.9999
RP50/A	.4364	.5522	.6330	.6717	.7037	.7635	.8122	.8989	.9480	.1.0882	.1.4620	.1.5757	
RP100/A	.4855	.6200	.7086	.7378	.7517	.7859	.8514	.9049	.1.0095	.1.0872	.1.2013	.1.6207	.2.2574
RP1000/A	.6418	.8369	.9507	.9814	.9908	1.0443	1.1312	1.2003	1.3276	1.4004	1.5565	2.1227	2.8849
RP10000/A	.7917	1.0476	1.1845	1.2151	1.2186	1.2922	1.3995	1.4836	1.6305	1.7177	1.8923	2.6009	3.4781
PMP/A	1.5976	2.0149	2.3449	2.4713	2.5470	2.6246	2.8420	3.0066	3.3975	3.5688	4.0217	5.3898	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 6006 0 MT WILSON 5709 30 02N 11W J S 34.227 118.066 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.18	6.73	7.69	8.27	8.86	9.28	9.86	10.51	11.75	12.64	14.56	18.84	30.13
5	7.81	10.37	11.93	12.79	13.63	14.26	15.17	16.06	17.89	19.08	21.57	26.23	42.53
10	9.54	12.32	14.77	15.74	16.69	17.56	18.64	19.70	21.84	23.22	27.47	32.27	50.37
20	11.15	15.21	17.44	18.52	19.54	20.63	21.90	23.10	25.51	27.07	30.98	39.89	57.95
25	11.61	15.75	18.03	19.28	20.44	21.59	22.90	24.20	26.65	28.27	31.17	41.63	59.82
50	12.10	17.49	20.02	21.17	22.48	23.27	25.21	26.36	28.85	33.93	42.48	54.66	84.41
50	13.18	18.21	20.83	22.30	23.10	24.49	27.09	30.10	31.88	35.13	46.89	65.64	
100	14.67	20.43	23.32	24.55	25.68	27.31	29.99	30.51	33.43	35.37	38.79	51.99	73.00
200	16.11	22.61	25.75	27.04	28.28	30.07	31.91	33.57	36.67	38.77	42.33	56.95	79.26
1000	19.39	27.58	31.28	32.68	33.85	36.29	38.51	40.47	43.98	46.41	50.28	68.09	93.30
10000	23.91	34.52	36.97	40.43	41.63	44.91	47.65	50.03	54.00	56.93	61.69	83.82	112.48
PMP	46.26	66.39	77.16	82.24	87.02	91.21	96.75	101.30	112.52	118.28	129.85	172.67	234.14
MEAN	5.738	7.609	8.650	9.219	9.789	10.330	10.976	11.679	12.940	13.991	15.806	20.686	32.340
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.647	1.302	1.098	.974	1.003	1.051	1.229	1.307	1.182	1.129	1.052	1.511	1.419
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	6.914	5.613	4.206	3.475	3.029	2.400	2.048	4.990	4.443	4.208	4.029	5.429	6.556
N	67	67	67	67	67	67	67	67	67	67	67	67	71
RECORD YEAR	1943	1943	1943	1943	1949	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	16.100	22.180	23.980	23.980	25.700	29.730	34.870	35.310	37.640	39.320	41.690	59.660	91.790
NORMALIZED MAX	3.426	3.480	3.150	2.847	2.842	3.039	3.747	3.483	3.356	3.287	3.152	3.445	4.239
CALC. COEF. VAR	.526	.549	.562	.562	.562	.568	.581	.581	.570	.557	.549	.549	
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
MEAN/A	.1774	.2353	.2675	.2651	.3027	.3194	.3394	.3611	.4001	.4295	.4887	.6390	.0000
RP10/A	.2949	.3973	.5568	.4848	.5122	.5299	.5964	.6000	.6754	.7181	.8039	.1.0598	.1.5576
RP20/A	.3076	.4931	.5652	.5953	.6316	.6675	.7085	.7471	.7840	.8740	.9690	.1.2872	.1.8496
RP50/A	.4076	.5631	.6400	.6804	.7142	.7575	.8020	.8468	.9207	.9857	.1.0064	.1.6501	.2.0575
RP100/A	.4535	.6317	.7209	.7591	.7944	.8445	.8963	.9435	.1.0337	.1.0937	.1.1993	.1.6075	.2.2574
RP1000/A	.5994	.8527	.9673	1.0098	1.0468	1.1222	1.1906	1.2515	1.3594	1.4352	1.5545	2.1054	2.8849
RP10000/A	.7395	1.0674	1.2052	1.2503	1.2874	1.3886	1.4733	1.5469	1.6697	1.7601	1.8891	2.5796	3.4781
PMP/A	1.4921	2.0530	.3058	2.5425	2.6699	2.8204	2.9917	3.1347	3.4792	3.6573	4.0151	5.3455	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB U05 6465 0 OPIOS CAMP FC57 4250 14 02N 12W 5 34°25S 118.045 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.72	8.63	9.72	10.40	11.08	11.46	12.41	13.36	14.44	14.86	17.81	23.19	35.83
5	10.13	13.31	15.08	16.07	17.04	17.65	19.09	20.41	21.99	22.46	26.38	34.74	51.58
10	13.85	16.49	18.66	19.80	20.87	21.70	23.07	25.03	26.85	27.34	31.80	42.18	59.90
20	14.46	19.52	22.04	23.26	24.43	25.40	27.57	29.36	31.36	31.87	36.78	49.09	68.48
25	15.11	20.47	23.10	24.37	25.54	26.67	28.85	30.71	32.76	33.28	38.33	51.23	71.14
40	16.44	22.45	25.30	26.62	26.08	29.12	31.49	33.50	33.45	33.97	41.56	52.28	76.59
50	17.09	23.38	26.32	27.66	28.88	30.28	32.72	34.80	37.00	37.53	42.97	57.72	79.13
100	19.01	26.22	29.47	30.49	32.11	33.75	36.49	38.78	41.09	41.65	47.44	53.98	86.81
200	20.80	29.02	32.50	33.90	35.25	37.00	40.14	42.50	45.00	51.47	57.07	69.47	94.27
1000	21.13	29.50	33.53	34.04	34.52	34.88	35.81	36.54	36.65	36.65	38.80	110.95	
10000	31.00	44.31	49.26	50.84	52.05	55.49	59.98	63.57	66.37	67.03	74.73	102.68	133.76
PMP	62.56	85.22	97.51	103.39	108.80	112.71	121.80	128.83	138.31	139.29	158.82	212.77	278.93
MEAN	7.439	9.767	10.932	11.591	12.238	12.764	13.817	14.842	15.906	16.355	19.332	25.435	38.457
CLOCK HR, COR.	1.149	1.070	1.096	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.219	1.743	1.393	1.374	1.396	1.200	1.496	1.642	1.724	1.557	1.356	1.735	1.149
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	4.031	7.499	5.076	4.555	4.200	4.363	5.694	6.235	6.637	7.031	5.223	6.245	3.918
N	57	77	57	77	77	77	56	57	56	57	57	57	57
RECORD YEAR	1943	1943	1943	1943	1943	1949	1949	1922	1922	1922	1922	1989	1922
RECORD MAXIMUM	16.610	32.400	33.160	33.660	36.790	44.970	49.010	54.860	58.640	57.420	79.650	89.330	
NORMALIZED MAX	2.216	3.762	3.282	3.071	2.803	2.993	3.408	3.489	3.699	3.840	3.366	3.445	2.820
CALC. COEF. VAR	.556	.616	.623	.620	.625	.629	.662	.660	.662	.641	.585	.619	.469
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1934	.2504	.2843	.3014	.3182	.3319	.3593	.3859	.4136	.4253	.5027	.6614	1.0000
RP10/A	.3215	.4288	.4852	.5147	.5427	.5662	.6102	.6508	.6981	.7110	.8268	1.0969	1.5576
RP25/A	.3929	.5323	.6007	.6336	.6664	.6933	.7501	.7984	.8519	.8654	.9966	1.3322	1.8498
RP50/A	.4444	.6079	.6845	.7194	.7509	.7869	.8509	.9049	.9621	.9760	1.1174	1.5008	2.0575
RP100/A	.4946	.6819	.7662	.8025	.8349	.8776	.9488	.10083	.10685	.10829	.12334	.16628	2.2574
RP1000/A	.5535	.7624	.1,0280	1,0565	1,1008	1,1861	1,2606	1,3124	1,4062	1,4210	1,5833	2,1189	2,8499
RP10000/A	.8062	1,1521	1,2808	1,3129	1,3435	1,4426	1,5596	1,6531	1,7259	1,7431	1,9431	2,6099	3,4781
RP/A	1,6267	2,2159	2,5356	2,6886	2,8291	2,9308	3,1671	3,3500	3,5693	3,6213	4,1297	5,5326	7,2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB U05 6602 0 PACOIMA DAM FC 33 1500 24 03N 15W 5 34°33S 118.391 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.01	3.96	4.47	4.77	5.00	5.18	5.55	5.97	6.65	7.21	8.39	10.94	18.08
5	4.31	5.94	7.37	7.49	7.69	7.90	8.54	9.12	10.18	12.43	16.39	25.52	
10	5.53	7.57	8.59	9.08	9.43	9.81	10.49	11.18	12.35	13.25	14.98	19.89	30.23
20	6.47	8.96	10.15	10.66	11.03	11.52	12.33	13.12	14.44	15.45	17.33	23.15	34.56
25	6.76	9.40	10.63	11.18	11.53	12.06	12.90	13.72	15.08	16.13	18.06	24.16	35.89
40	7.36	10.30	11.65	12.21	11.78	13.17	14.08	14.97	15.40	16.46	19.55	24.66	38.65
50	7.64	10.73	12.12	12.69	13.00	13.60	14.63	15.55	17.03	17.83	20.24	27.22	39.93
100	8.50	12.09	13.56	14.18	14.50	15.26	16.32	17.32	18.22	19.07	20.71	22.20	31.40
200	9.43	13.30	15.09	15.70	16.50	17.36	18.36	19.36	20.75	22.12	24.39	32.06	47.57
1000	11.24	16.25	18.20	19.13	20.26	21.68	22.98	24.88	26.49	28.96	35.22	55.98	
10000	13.87	20.34	22.68	23.32	23.51	25.09	26.82	28.40	30.59	32.49	35.20	48.43	67.49
PMP	27.98	39.12	44.89	47.42	49.13	50.96	54.66	57.55	63.67	67.49	74.82	100.35	140.49
MEAN	3.327	4.483	5.033	5.316	5.527	5.771	6.178	6.631	7.323	7.926	9.108	11.996	19.405
CLOCK HR, COR.	1.150	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.301	1.951	.746	.710	.646	.556	.743	.831	.677	.542	.747	.737	
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	5.925	7.629	3.974	3.185	3.019	2.950	2.674	3.360	3.160	2.594	2.207	2.764	3.255
N	58	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	8.060	12.840	12.950	13.090	13.160	13.640	13.950	15.770	16.080	16.360	16.850	25.460	40.410
NORMALIZED MAX	3.159	3.857	3.164	2.921	2.776	2.775	2.602	2.809	2.407	2.234	1.858	2.412	2.891
CALC. COEF. VAR	.450	.470	.497	.501	.498	.491	.483	.491	.497	.476	.457	.465	.374
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1715	.2310	.2593	.2740	.2974	.3184	.3417	.3774	.4085	.4694	.6162	1.0000	
RP10/A	.2850	.3901	.4427	.4679	.4857	.5055	.5407	.5763	.6369	.6829	.7720	1.0252	1.5576
RP25/A	.3483	.4882	.5480	.5760	.5943	.6215	.6647	.7070	.7772	.8312	.9305	1.3035	1.8498
RP50/A	.3939	.5529	.6245	.6539	.6721	.7051	.7504	.8012	.8747	.9374	1.0432	1.2828	2.0575
RP100/A	.4383	.6203	.6590	.7294	.7472	.7863	.8085	.8282	.8728	.9171	.9517	.9551	2.1745
RP1000/A	.5935	.9237	.9374	.9520	.9716	.1,1100	.1,1892	.1,2821	.1,3849	.1,9223	.1,9223	.2,0368	2.8849
RP10000/A	.7147	1.0486	1.0485	1.2016	1.2114	1.2929	1.3820	1.4637	1.5746	1.6742	1.8142	2.4955	3.4781
RP/A	1.0421	2.0157	2.3133	2.4439	2.5321	2.6260	2.8065	3.2911	3.4781	3.8558	5.1713	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 6719 0 PASADENA 6108 864 28 01N 12W C 5 34°14' 118°12' 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.37	4.25	4.87	5.18	5.47	5.77	6.10	6.50	7.17	7.73	9.09	11.85	18.65
5	5.08	6.56	7.55	8.00	8.41	8.67	9.39	9.93	10.92	11.66	13.47	17.75	26.32
10	6.20	8.12	9.35	9.86	10.30	10.91	11.54	12.18	13.33	14.19	16.4	21.55	31.18
20	7.58	9.71	11.04	11.57	12.12	12.60	13.42	14.18	14.94	15.27	17.26	19.57	25.08
25	7.58	10.08	11.57	12.13	12.60	13.42	14.18	14.94	15.27	17.26	19.57	25.08	37.02
40	8.26	11.05	12.67	13.25	13.87	14.65	15.68	16.29	16.61	17.63	21.19	26.71	39.86
50	8.85	11.51	13.18	13.78	14.25	15.22	16.09	16.93	18.38	19.48	21.9	29.49	41.18
100	9.55	12.91	14.76	15.37	15.84	16.97	17.94	18.86	20.41	21.62	24.22	32.69	45.18
200	10.48	14.29	16.30	16.93	17.39	18.65	19.75	20.75	22.39	23.70	26.44	35.81	49.06
1000	12.61	17.43	19.80	20.44	20.88	22.55	23.84	25.02	26.96	28.37	31.39	32.61	57.74
10000	15.56	21.82	24.97	25.81	25.88	27.91	28.50	30.53	32.96	34.60	36.16	52.46	69.01
PMF	31.39	41.97	48.83	51.48	53.68	56.69	59.9	62.67	69.69	72.29	81.10	108.71	144.91
MEAN	3.733	4.610	5.475	5.772	6.038	6.420	6.795	7.220	7.900	8.490	9.872	12.995	20.015
CLOCK HR. COR.	1.146	1.070	1.046	1.029	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.290	1.897	1.243	1.078	.984	.856	.705	.741	.677	.670	.734	1.040	1.041
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	4.871	8.289	4.615	3.915	3.365	3.291	2.935	2.902	2.643	2.500	2.820	3.645	4.319
N	67	67	67	67	66	66	67	67	67	67	67	67	67
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
RECORD MAXIMUM	8.959	14.900	14.900	14.900	15.000	15.000	15.000	17.400	17.800	16.400	22.200	30.500	46.100
NORMALIZED MAX	2.639	3.846	3.188	2.950	2.869	2.721	2.546	2.833	2.466	2.308	2.537	2.698	3.406
CALC. COEF. VAR	.466	.534	.538	.538	.533	.529	.522	.510	.510	.516	.495	.502	.382
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.511	.512	.513	.501	.481	.491	.416
MEAN/A	1.1865	2.463	2.725	2.884	3.017	3.207	3.395	3.607	3.947	4.242	4.932	6.693	1.0000
RP10/A	.3100	.4057	.4659	.4925	.5145	.5452	.5766	.6083	.6662	.7091	.8112	1.0767	1.5576
RP25/A	.3786	.5036	.5780	.6062	.6295	.6703	.7460	.7683	.8330	.8632	.9779	1.3078	1.6496
RP50/A	.4284	.5752	.6586	.6882	.7119	.7605	.8040	.8458	.9181	.9735	1.0963	1.4733	2.0575
RP100/A	.4766	.6452	.7373	.7679	.7915	.8480	.8965	.9424	1.0197	1.0801	1.2103	1.6333	2.2574
RP1000/A	.6301	.8709	.9892	1.0215	1.0433	1.1269	1.1911	1.2500	1.3410	1.4173	1.5682	2.1391	2.8849
RP10000/A	1.7772	1.0901	1.2325	1.2647	1.2832	1.3944	1.4736	1.5451	1.6470	1.7385	1.9065	2.6209	3.4781
PMF/A	1.5684	2.0967	2.4399	2.5722	2.6821	2.8321	2.9925	3.1312	3.4319	3.6118	4.0519	5.4312	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 7161 3 PUENTE MILLS-WEISEL 725 33.954 117°9'23" 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	2.71	3.37	3.71	3.87	14.36
5	4.06	5.19	5.76	5.98	22.07
10	4.96	6.43	7.2	7.7	26.07
20	5.43	7.92	8.42	8.67	31.65
25	6.09	7.99	8.62	9.07	33.09
40	6.64	8.76	9.66	9.91	33.79
50	6.89	9.12	10.05	10.30	37.42
100	7.66	10.23	11.25	11.49	41.60
200	8.42	11.32	12.43	12.86	45.89
1000	10.13	13.81	15.81	15.93	54.64
10000	13.10	18.29	18.81	19.63	57.44
PMF	25.22	33.25	37.24	38.49	140.97
MEAN	2.999	3.811	4.174	4.315	15.857
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.976	.928	.811	.713	.664
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100
KURTOSIS	3.540	3.711	3.086	2.632	3.140
N	44	44	44	44	44
RECORD YEAR	1956	1943	1943	1943	1941
RECORD MAXIMUM	6.320	8.920	9.140	9.160	32.490
NORMALIZED MAX	2.241	2.563	2.320	2.115	2.546
CALC. COEF. VAR	.496	.523	.513	.531	.412
REGN. COEF. VAR	.494	.515	.528	.528	.526
USED COEF. VAR	.494	.515	.528	.528	.526
MEAN/A	1.1891	2.403	2.933	2.721	1.0000
RP10/A	.3143	.4058	.4494	.4667	1.7053
RP25/A	.3841	.5037	.5563	.5721	2.0866
RP50/A	.4365	.5752	.6339	.6495	2.3596
RP100/A	.4833	.6452	.7096	.7247	2.6236
RP1000/A	.6389	.8709	.9521	.9640	3.4562
RP10000/A	.7882	1.0902	1.1662	1.1935	4.2232
PMF/A	1.5904	2.0909	2.3402	2.4275	8.9700

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7748 1	STATION NAME SAN DIMAS OAH	ELEV 1350	SEC 24	TWP 01N	RNG 09W	BWM 5	LATITUDE 34°15.153	LONGITUDE 117°77.71	COUNTY CODE 70
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-M-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	4.18	5.18	5.59	5.96	6.23	6.38	6.65	7.05	7.70
5	6.10	7.85	8.59	9.18	9.61	9.85	10.31	10.92	11.83
10	7.43	9.70	10.67	11.40	11.93	12.24	12.85	13.59	14.69
20	8.71	11.47	12.67	13.54	14.17	14.54	15.28	16.15	17.43
25	9.11	12.03	13.30	14.21	14.88	15.27	16.05	16.96	18.30
40	9.96	13.20	14.61	15.62	16.35	17.78	18.65	20.04	21.34
50	10.35	13.53	15.13	16.11	17.04	18.49	19.52	20.92	22.30
100	11.57	15.44	17.13	18.31	19.47	20.82	22.72	24.86	26.56
200	12.77	17.10	19.00	20.32	21.27	21.83	23.00	24.29	26.13
1000	15.51	20.91	23.28	26.90	29.06	26.76	28.22	29.79	32.01
10000	19.35	26.25	29.29	31.33	32.80	33.69	35.55	37.51	40.28
PMP	35.72	48.97	54.85	58.70	61.45	63.14	66.71	70.36	75.41
MEAN	4.673	5.865	6.363	6.786	7.104	7.274	7.593	8.050	8.763
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.491	1.394	1.151	1.290	1.251	1.251	1.108	1.003	.890
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	4.888	4.379	3.763	3.974	4.011	3.912	3.728	3.788	3.469
N	23	23	23	23	23	23	23	23	23
RECORD YEAR	1934	1943	1943	1966	1966	1966	1943	1938	1943
RECORD MAXIMUM	11,280	13,930	14,410	15,980	16,740	16,740	16,820	16,950	17,840
NORMALIZED MAX	2,152	2,255	2,273	2,334	2,406	2,341	2,339	2,217	2,007
CALC. COEF. VAR	.657	.610	.556	.580	.564	.556	.515	.491	.466
REGN. COEF. VAR	.443	.490	.508	.510	.510	.512	.510	.516	.507
USED COEF. VAR	.443	.490	.508	.510	.510	.512	.510	.516	.507
MEAN/A	.2141	.2488	.2916	.3110	.3256	.3334	.3480	.3890	.4016
RP10/A	.3406	.4444	.4891	.5255	.5470	.5609	.5888	.6268	.6731
RP25/A	.4177	.5514	.6095	.6514	.6819	.6966	.7356	.7755	.8246
RP50/A	.4744	.6291	.6747	.7111	.7416	.7616	.8014	.8402	.8802
RP100/A	.5301	.7081	.7850	.8093	.8286	.8918	.9496	1.0300	1.0798
RP1000/A	.7106	1.0691	1.0691	1.1411	1.1946	1.2266	1.2933	1.3653	1.4673
RP10000/A	.8870	1.2030	1.3242	1.4361	1.5033	1.5404	1.6291	1.7193	1.8459
PMP/A	1.6372	2.2445	2.3138	2.6903	2.8162	2.8936	3.0573	3.2247	3.4560

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7759 0	STATION NAME SAN FERNANDO	ELEV 965	SEC 09	TWP 02N	RNG 15W	BWM 5	LATITUDE 34°27.3	LONGITUDE 118°46.4	COUNTY CODE 70
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-M-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	2.66	3.37	3.76	3.97	4.08	4.26	4.60	4.92	5.41
5	3.88	5.11	5.78	6.11	6.29	6.58	7.12	7.61	8.31
10	4.73	6.31	7.17	7.66	7.81	8.17	8.88	9.48	10.32
20	5.54	7.47	8.52	9.02	9.28	9.71	10.56	11.26	12.24
25	5.80	7.83	8.94	9.67	9.74	10.21	11.09	11.83	12.87
40	6.34	8.55	9.82	10.41	10.71	11.21	12.20	13.49	14.65
50	6.59	8.95	10.24	10.81	11.21	11.71	12.71	13.94	15.07
100	7.66	10.33	11.72	12.20	12.55	13.14	14.32	15.26	16.55
200	8.12	11.13	12.67	13.54	13.93	14.58	15.50	16.96	18.36
1000	9.87	13.61	15.65	16.89	17.07	17.88	19.51	20.77	22.49
10000	12.32	17.09	19.69	20.88	21.48	22.50	24.37	26.16	28.29
PMP	22.73	31.89	36.87	43.12	40.24	42.17	46.11	49.06	52.98
MEAN	2.974	3.619	4.277	4.522	4.652	4.858	5.249	5.614	6.155
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.632	1.098	.891	.650	.638	.690	.587	.623	.674
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	6.882	5.306	3.497	2.736	2.590	2.659	2.461	2.599	2.652
N	49	49	49	49	49	49	49	49	49
RECORD YEAR	1934	1943	1943	1944	1943	1943	1966	1944	1941
RECORD MAXIMUM	7,850	9,430	9,430	10,110	10,210	10,540	10,910	11.70	13,300
NORMALIZED MAX	3.080	3.094	2,484	2,308	2,218	2,157	2,017	2,188	2,256
CALC. COEF. VAR	.500	.475	.520	.535	.539	.542	.535	.518	.515
REGN. COEF. VAR	.443	.490	.508	.510	.512	.519	.516	.507	.492
USED COEF. VAR	.443	.490	.508	.510	.512	.519	.516	.507	.488

STATION NO. BSN ORDER SUB 005 7759 0	STATION NAME SAN FERNANDO	ELEV 965	SEC 09	TWP 02N	RNG 15W	BWM 5	LATITUDE 34°27.3	LONGITUDE 118°46.4	COUNTY CODE 70
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-M-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	2.66	3.37	3.76	3.97	4.08	4.26	4.60	4.92	5.41
5	3.88	5.11	5.78	6.11	6.29	6.58	7.12	7.61	8.31
10	4.73	6.31	7.17	7.66	7.81	8.17	8.88	9.48	10.32
20	5.54	7.47	8.52	9.02	9.28	9.71	10.56	11.26	12.24
25	5.80	7.83	8.94	9.67	9.74	10.21	11.09	11.83	12.87
40	6.34	8.55	9.82	10.41	10.71	11.21	12.20	13.49	14.65
50	6.59	8.95	10.24	10.81	11.21	11.71	12.71	13.94	15.07
100	7.66	10.33	11.72	12.20	12.55	13.14	14.32	15.26	16.55
200	8.12	11.13	12.67	13.54	13.93	14.58	15.50	16.96	18.36
1000	9.87	13.61	15.65	16.89	17.07	17.88	19.51	20.77	22.49
10000	12.32	17.09	19.69	20.88	21.48	22.50	24.37	26.16	28.29
PMP	22.73	31.89	36.87	43.12	40.24	42.17	46.11	49.06	52.98
MEAN	.2141	.2488	.2916	.3110	.3256	.3334	.3480	.3890	.4016
RP10/A	.3406	.4444	.4891	.5255	.5470	.5609	.5888	.6268	.6731
RP25/A	.4177	.5514	.6095	.6514	.6819	.6966	.7356	.7755	.8246
RP50/A	.4744	.6291	.6747	.7111	.7416	.7616	.8014	.8402	.8802
RP100/A	.5301	.7081	.7850	.8093	.8286	.8918	.9496	1.0300	1.0798
RP1000/A	.6094	.8405	.9663	1.0247	1.0540	1.1039	1.2045	1.2686	1.3086
RP10000/A	.7666	1.0553	1.2157	1.2995	1.3264	1.3895	1.5173	1.6154	1.7469
PMP/A	1.4039	1.9690	2.2766	2.4517	2.6404	2.6041	2.8474	3.0298	3.2708

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 7762 0 SAN FERNANDO P H 3 1248 34.314 118.492 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.62	3.41	3.76	4.03	4.29	4.52	4.90	5.38	6.03	6.48	7.70	9.95	15.94
5	3.94	5.25	5.84	6.24	6.80	6.95	7.20	8.22	9.08	9.78	11.40	14.31	22.49
10	4.81	6.51	7.62	7.98	8.09	8.55	9.20	10.48	11.21	11.01	13.75	18.10	26.64
20	5.88	7.76	8.65	9.03	9.47	10.81	11.87	12.83	13.09	13.87	18.40	24.48	31.84
25	5.88	8.08	8.94	9.45	9.90	10.81	11.38	12.37	13.08	14.48	18.57	21.98	31.84
40	6.40	8.66	9.79	10.32	10.11	11.47	12.42	13.50	13.96	14.78	17.94	22.43	34.05
50	6.65	9.22	10.19	10.73	11.19	11.92	12.91	14.02	15.44	16.34	18.58	24.77	35.19
100	7.40	10.35	11.41	11.97	12.44	13.29	14.39	15.62	17.15	18.12	20.51	27.45	38.61
200	8.13	11.35	12.60	13.11	13.68	14.63	15.39	17.15	18.82	19.87	22.39	30.47	41.93
1000	9.78	14.20	15.93	16.40	17.86	18.02	19.12	20.42	22.36	23.09	26.38	35.94	49.33
10000	12.68	17.48	19.07	19.72	20.17	21.86	23.66	25.61	27.71	29.17	32.31	44.08	59.49
PMP	24.34	33.62	37.74	40.10	42.16	44.39	46.84	51.90	57.73	60.81	68.57	91.29	123.63

	MEAN	3,854	4,231	4,696	4,743	5,028	5,450	5,980	6,640	7,118	8,359	10,914	17,104
CLOCK MR. COR.	1,140	1,070	1,000	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.782	.956	.886	.868	.811	.884	1.101	1.022	1.333	1.197	1.039	1.248	1.168
REGIONAL SKEW	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,100	1,000	1,100	1,000
SKEW USED	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,100	1,000	1,100	1,000

	KURTOSIS	3,166	2,359	2,196	2,485	2,675	3,668	3,925	4,191	3,602	3,039	3,784	3,459
RECORD YEAR	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD MAXIMUM	5,010	7,800	8,320	8,880	10,420	11,175	14,520	15,501	16,930	17,310	18,740	25,890	35,460
NORMALIZED MAX	1,610	1,994	1,760	1,710	2,008	1,998	2,329	2,504	2,524	2,404	2,250	2,553	2,185
CALC. COEF. VAR	.454	.513	.549	.570	.598	.611	.658	.636	.614	.596	.552	.530	.480
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.481	.491	.416	.416

	MEAN/A	.1692	.2253	.2474	.2429	.2773	.2939	.3188	.3496	.3882	.4182	.4887	.6381	1,0000
RP10/A	.2613	.3804	.4223	.4489	.4729	.4996	.5411	.5895	.6552	.6957	.8038	.1,0582	.1,5576	
RP25/A	.3437	.4722	.5228	.5526	.5786	.6143	.6652	.7233	.7796	.8468	.9689	.1,2853	.1,6498	
RP50/A	.3887	.5393	.5957	.6274	.6543	.6969	.7546	.8197	.9029	.9551	.1,0803	.1,4479	.2,0575	
RP100/A	.4325	.6649	.6686	.7000	.7275	.7772	.8414	.9133	.1,0269	.1,0597	.1,1922	.1,6051	.2,2574	
RP1000/A	.5717	.8166	.8947	.9311	.9589	.1,0327	.1,1799	.1,2115	.1,3189	.1,3905	.1,5536	.2,1023	.2,8781	
RP10000/A	.7652	.1,0223	.1,1147	1,1529	1,1793	1,2779	1,3831	1,4874	1,6196	1,7055	1,8899	2,5759	3,4781	
RP100000/A	1,4230	1,9859	2,2006	2,3447	2,4650	2,5995	2,8088	3,0345	3,3753	3,5435	4,0147	5,3377	7,2400	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 7776 0 SAN GABRIEL CANYON P H 744 22 01N 10W S 34.156 117.908 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.66	4.42	4.93	5.30	5.58	5.86	6.26	6.63	7.55	8.09	9.57	12.72	20.49
5	5.51	6.82	7.85	8.19	8.57	9.01	9.63	10.16	11.49	12.82	14.17	19.60	26.92
10	7.87	9.85	9.47	10.88	10.59	11.95	12.44	14.43	14.87	17.09	20.14	24.28	
20	7.87	10.00	11.18	11.86	12.30	13.03	14.00	14.62	16.39	17.33	19.77	26.92	39.16
25	6.22	10.49	11.72	12.41	12.85	13.63	14.54	15.29	17.12	18.10	20.59	28.10	40.67
40	8.96	11.50	12.83	13.58	13.12	14.08	15.88	16.68	17.48	18.47	22.30	33.79	43.79
50	9.30	11.98	13.33	14.09	14.53	15.46	16.50	17.33	19.33	20.41	23.09	31.68	45.24
100	10.35	13.44	14.95	15.72	16.18	17.24	18.40	19.31	21.47	22.65	25.49	35.09	49.54
200	11.37	14.87	16.51	17.32	17.91	18.90	20.46	21.24	23.50	24.89	27.32	38.44	
300	13.88	17.66	20.06	21.26	21.30	22.91	24.64	25.51	28.04	27.32	30.34	43.94	63.44
1000	16.87	22.71	24.99	25.90	26.20	28.35	30.61	31.65	34.68	36.45	40.15	56.32	76.48
PMP	34.05	43.67	49.49	52.87	54.76	57.58	61.42	64.15	72.27	75.73	85.34	116.70	159.29

	MEAN	5,049	5,005	5,347	5,904	6,189	6,520	6,967	7,390	8,312	8,894	10,388	13,951	21,889
CLOCK MR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
CALCULATED SKEW	1,615	1,775	1,431	1,216	1,182	1,219	1,164	1,127	1,200	1,164	1,080	1,298	1,497	
REGIONAL SKEW	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,100	1,000	1,100	1,000	
SKEW USED	1,200	1,400	1,300	1,200	1,100	1,200	1,200	1,200	1,200	1,100	1,000	1,100	1,000	

	KURTOSIS	5,891	7,012	5,084	4,156	3,931	4,491	4,911	4,822	5,070	4,888	4,061	5,322	3,360
RECORD YEAR	70	70	70	70	70	70	70	70	70	70	70	70	70	
RECORD MAXIMUM	10,310	14,450	15,830	15,050	16,050	16,160	20,620	21,240	23,310	24,780	26,610	39,920	45,460	
NORMALIZED MAX	3,037	3,593	3,149	2,890	2,645	3,327	3,767	3,732	3,676	3,669	3,313	3,172	2,687	
CALC. COEF. VAR	.510	.325	.543	.544	.546	.536	.528	.502	.491	.487	.471	.481	.370	
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.481	.491	.416	.416	

	MEAN/A	.1841	.2276	.2522	.2685	.2901	.2965	.3168	.3361	.3780	.4045	.4724	.6345	1,0000
RP10/A	.3060	.3843	.4306	.4586	.4777	.5040	.5301	.5657	.6390	.6762	.7770	.1,0522	.1,5576	
RP25/A	.3740	.4771	.5330	.5645	.5845	.6197	.6615	.6933	.7786	.8231	.9366	.1,2780	.1,6498	
RP50/A	.4230	.5446	.6074	.6409	.6609	.7030	.7504	.7880	.8793	.9283	.1,0500	.1,4397	.2,0575	
RP100/A	.4768	.6111	.6799	.7150	.7349	.7940	.8367	.8780	.9766	.1,0300	.1,1922	.1,5960	.2,2574	
RP1000/A	.6221	.8249	.9122	.9511	.9687	.1,0410	.1,1117	.1,1646	.1,2844	.1,3515	.1,5020	.2,0903	.2,8781	
RP10000/A	.7674	1,0326	1,1368	1,1776	1,1913	1,2891	1,3754	1,4395	1,5776	1,6578	1,8260	2,5611	3,4781	
RP100000/A	1,5484	1,9881	2,2500	2,3951	2,4901	2,6103	2,7930	2,9172	3,2868	3,4441	3,8089	5,3072	7,2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 7928 0 SANTA FE 04M 427 06 015 10W S 34.118 117.973 70

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.50	3.03	3.49	3.68	3.97	4.26	4.61	5.03	5.53	6.04	7.14	9.20	14.50
5	3.76	4.68	5.11	5.70	6.10	6.56	7.09	7.49	8.41	9.12	10.57	13.79	20.67
10	4.49	5.59	6.70	7.51	7.47	8.07	8.71	9.43	10.27	11.10	12.74	16.74	24.24
20	5.37	6.86	7.91	8.25	8.74	9.48	10.23	11.00	12.00	12.94	14.74	19.48	27.71
25	5.61	7.19	8.29	8.63	9.14	9.92	10.71	11.57	12.54	13.51	15.36	20.33	28.78
40	6.11	7.88	9.08	9.43	9.93	10.83	11.69	12.62	13.80	13.79	16.63	20.75	30.99
50	6.34	8.21	9.44	9.80	10.33	11.25	12.14	13.11	14.16	15.24	17.22	22.44	32.02
100	7.05	9.21	10.57	11.94	11.49	12.55	13.40	14.61	15.73	16.64	19.10	23.29	35.13
200	7.76	10.17	11.88	12.60	12.61	13.60	13.91	14.67	15.25	16.53	20.75	28.15	38.15
400	9.93	12.33	14.86	15.55	15.14	16.56	17.99	19.37	20.68	22.18	26.63	33.26	44.89
1000	13.31	15.56	17.67	18.01	18.63	20.63	22.29	23.95	25.46	27.21	29.95	30.75	54.12
PMP	23.22	29.93	34.99	36.63	38.93	41.90	45.20	46.53	52.93	56.53	63.65	84.46	112.66

MEAN	2.762	3.431	3.922	4.107	4.379	4.746	5.128	5.591	6.087	6.639	7.748	10.095	15.561
CLOCK HR. COR.	1.480	1.080	1.040	1.023	1.019	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	7.682	6.544	3.564	2.670	2.385	3.284	3.477	3.767	4.125	3.940	3.182	5.780	3.069
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.670	6.350	8.750	6.750	8.760	11.020	12.690	13.310	14.860	15.470	17.020	27.140	30.340
NORMALIZED MAX	2.624	2.733	2.298	2.164	1.827	2.296	2.540	2.582	2.573	2.502	2.317	2.975	2.056
CALC., COEF. VAR	.539	.525	.536	.522	.550	.576	.580	.540	.560	.532	.517	.567	.492
REGN., COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1775	.2205	.2521	.2639	.2814	.3050	.3295	.3593	.3912	.4266	.4979	.6487	1.0000
RP10/A	.2950	.3722	.4303	.4507	.4799	.5183	.5597	.6059	.6603	.7132	.8189	.9791	1.5576
RP25/A	.3465	.4620	.5326	.5548	.5872	.6373	.6880	.7433	.8057	.8681	.9871	.1.3067	1.8498
RP50/A	.4077	.5276	.6059	.6299	.6640	.7230	.7804	.8424	.9099	.9791	1.1064	1.4723	2.0575
RP100/A	.4536	.5919	.6794	.7027	.7383	.8063	.8703	.9368	.1.0000	1.0853	1.2477	1.6199	2.2614
RP1000/A	.5996	.7969	.9115	.9343	.9732	1.0717	1.1562	1.2400	1.3290	1.4255	1.5830	2.1374	2.8849
RP10000/A	.7396	1.0000	1.1357	1.1574	1.1969	1.3037	1.3908	1.4839	1.6233	1.7485	1.9244	2.6188	3.4781
PMP/A	1.4724	1.9233	2.4833	2.5940	2.5017	2.6928	2.9049	3.1186	3.4012	3.6325	4.0900	5.4267	7.2400

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 7950 0 SANTA MONICA 634 64 07 025 15W F S 34.012 118.491 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.66	3.03	3.25	3.52	3.78	3.92	4.16	4.53	5.16	5.60	6.62	8.47	13.02
5	4.05	4.47	5.05	5.45	5.82	6.44	6.89	7.86	8.46	9.81	12.69	18.37	
10	4.44	5.78	6.24	7.01	7.13	7.42	7.86	8.48	9.60	10.30	11.82	15.41	21.76
20	5.77	6.85	7.38	7.89	8.33	8.72	9.23	9.95	11.22	12.00	13.68	17.93	24.87
25	6.03	7.16	7.73	8.26	8.72	9.12	9.66	10.41	11.72	12.53	14.25	18.72	25.84
40	6.57	7.87	8.46	9.02	9.60	10.55	11.35	11.96	12.79	15.43	19.10	27.02	
50	6.82	8.20	8.81	9.38	9.86	10.35	10.96	11.79	13.23	14.18	15.98	21.00	26.74
100	7.59	9.20	9.86	10.46	10.98	11.54	12.22	13.14	14.00	14.86	17.84	23.49	31.53
200	9.34	10.89	11.62	12.24	12.82	13.46	14.16	15.12	17.19	19.25	25.61	34.24	
400	10.44	12.41	13.23	14.92	14.45	15.34	16.24	17.43	19.33	20.58	22.86	30.62	40.30
1000	12.38	15.54	16.48	17.23	17.77	18.49	20.09	21.55	23.74	25.24	27.79	37.51	48.58
PMP	24.98	29.89	32.63	35.05	37.15	38.55	40.80	43.66	49.46	52.44	59.06	77.73	101.13

MEAN	2.971	3.426	3.658	3.929	4.178	4.366	4.628	5.030	5.689	6.159	7.189	9.293	13.968
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.926	.845	.854	.917	.756	.915	1.210	.985	1.095	1.116	1.004	.812	
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	3.141	3.244	3.352	3.773	3.501	4.167	5.309	4.449	4.511	4.331	3.648	3.127	3.840
N	71	71	71	71	71	71	71	71	71	71	70	70	76
RECORD YEAR	1916	1956	1952	1962	1962	1962	1962	1962	1962	1962	1918	1969	1941
RECORD MAXIMUM	5.820	7.470	8.100	10.110	10.660	11.050	12.710	13.160	15.000	15.060	16.060	20.320	32.470
NORMALIZED MAX	2.057	2.531	2.545	3.283	3.209	3.232	3.523	3.331	3.395	3.072	2.613	2.693	3.462
CALC., COEF. VAR	.486	.467	.477	.479	.483	.474	.496	.485	.482	.472	.472	.441	.383
REGN., COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2127	.2452	.2619	.2813	.2991	.3126	.3313	.3601	.4073	.4409	.5147	.6653	1.0000
RP10/A	.355	.414	.4471	.4804	.5101	.5313	.5627	.6073	.6731	.8485	1.1033	1.3401	1.8498
RP25/A	.4320	.5140	.5534	.5913	.6242	.6552	.6917	.7451	.8389	.8972	1.0204	1.3401	1.8498
RP50/A	.4886	.5870	.6306	.6713	.7059	.7411	.7847	.8446	.9045	1.0116	1.1440	1.3401	2.0575
RP100/A	.5436	.6584	.7059	.7480	.7848	.8264	.8750	.9403	1.0226	1.1226	1.2700	1.5700	2.4200
RP1000/A	.7166												

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB UOS 8023 3 SAWTELLE 345 28 015 15W 0 S 34°05'6" 118°45'6" 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.53	3.03	3.34	3.57	3.76	3.95	4.20	4.61	5.18	5.56	6.46	8.54	13.85
5	3.69	4.59	5.15	5.51	5.79	6.10	6.52	7.13	7.96	8.44	9.70	12.76	19.43
10	4.92	5.71	6.25	6.81	7.50	8.09	8.64	9.30	10.24	11.25	12.57	18.48	22.46
20	5.27	6.71	7.58	8.13	8.85	9.01	9.66	10.55	11.73	12.35	14.28	18.48	20.20
25	5.51	7.03	7.96	8.53	9.07	9.46	10.15	11.05	12.31	12.96	14.97	19.37	27.21
40	6.02	7.72	8.75	9.37	9.86	10.40	11.16	12.19	13.52	14.22	16.43	21.21	29.27
50	6.26	8.04	9.12	9.77	10.28	10.64	11.64	12.71	14.10	14.81	17.11	22.08	30.23
100	6.99	9.02	10.25	10.99	11.56	12.29	13.10	14.36	15.05	16.63	19.20	24.74	33.14
200	7.72	10.00	11.37	12.19	12.83	13.53	14.55	15.64	17.58	18.43	21.20	27.74	35.65
400	9.38	12.22	13.74	14.93	15.72	16.57	17.65	19.46	22.24	24.50	28.00	33.37	42.28
1000	11.70	15.85	17.53	19.11	19.74	20.88	22.48	24.51	27.10	28.30	32.63	41.61	59.91
PMP	21.60	26.63	32.03	35.23	37.07	37.03	42.19	45.97	50.73	52.81	60.08	77.08	105.66

MEAN	2,826	3,429	3,809	4,073	4,285	4,506	4,802	5,260	5,896	6,302	7,315	9,631	14,840
CLOCK HR* COR*	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.326	1.536	1.221	1.324	1.149	1.072	1.105	1.040	1.165	1.094	1.000	1.084	1.084
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500

KURTOSIS	10.420	5.570	4.281	.2745	.2867	.3038	.3236	.3544	.3973	.4247	.4929	.6490	1.0000
N	79	79	79	79	79	79	79	79	79	79	79	79	79
RECORD YEAR	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
RECORD MAXIMUM	94.00	92.00	94.30	11,500	11,510	11,510	13,230	13,96	16,030	16,080	16,720	23,110	34,200
NORMALIZED MAX	4.137	3.277	2.789	3,353	3,174	2,929	3,341	3,250	3,376	3,125	3,095	2,903	3,196
CALC. COEF. VAR	.502	.531	.529	.544	.531	.530	.525	.509	.509	.496	.504	.408	.408
REGN. COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
USED COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408

MEAN/A	.1904	.2310	.2567	.2745	.2867	.3038	.3236	.3544	.3973	.4247	.4929	.6490	1.0000
RPI10/A	.3029	.3820	.4305	.4611	.4851	.5124	.5475	.5983	.6658	.7033	.8136	.1,0565	1.5469
RPI25/A	.3714	.4740	.5365	.5748	.6048	.6376	.6840	.7469	.8295	.8731	.1,0091	.1,3049	1.6334
RPI50/A	.4216	.5416	.6144	.6584	.6927	.7305	.7843	.8561	.9498	.9979	.1,1527	.1,4875	2.0372
RPI100/A	.4713	.6681	.6969	.7466	.7792	.8218	.8829	.9635	1,0681	1,1205	.1,2940	.1,6670	2.2332
RPI1000/A	.6319	.8235	.9391	1,0070	1,0594	1,1176	1,2026	1,3113	1,4514	1,5162	1,7517	2,2487	2,8487
RPI10000/A	.7887	1,0340	1,1815	1,2673	1,3332	1,4070	1,5149	1,6516	1,8259	1,9067	2,1989	2,8171	3,4304
PMP/A	1,4557	1,9292	2,2125	2,5741	2,9477	2,6370	2,8429	3,0377	3,4186	3,5588	4,1009	5,2341	7,1200

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB UOS 8210 1 SIERRA MADRE DAM 1100 34°17'6" 118°04'2" 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.75	4.95	5.49	5.86	6.29	6.42	6.86	7.60	8.32	8.73	10.12	13.27	21.63
5	5.65	7.63	8.55	9.07	9.66	10.55	11.61	12.54	14.19	15.57	16.03	18.08	24.94
10	8.90	9.45	10.25	11.16	11.94	12.45	13.21	14.24	15.74	16.69	20.91	27.74	41.73
20	9.07	11.89	12.46	13.13	13.86	14.27	15.24	16.70	18.07	18.87	19.51	21.79	34.34
25	8.43	11.74	13.00	13.74	14.48	14.93	15.95	17.47	18.87	19.51	21.79	27.74	41.73
40	9.19	12.87	14.30	15.01	14.79	16.30	17.61	19.05	19.27	19.92	23.59	31.33	46.67
50	9.54	13.40	14.88	15.80	16.38	16.94	18.09	19.80	21.31	22.01	24.43	32.45	48.21
100	10.61	15.03	16.85	17.41	18.21	18.69	20.17	22.06	23.07	24.42	26.97	35.85	52.89
200	11.66	16.64	18.40	19.17	20.00	20.60	22.21	24.27	25.84	27.29	29.53	37.54	57.84
400	14.03	20.29	22.45	24.21	25.11	26.76	27.66	29.76	31.32	32.04	34.94	46.55	67.60
1000	17.51	25.00	27.85	28.57	29.52	31.07	33.18	36.18	38.29	39.30	42.45	56.56	61.50
PMP	34.92	48.00	55.13	58.31	61.71	63.10	67.34	73.29	79.67	81.66	90.29	120.76	169.45

MEAN	4.152	5.600	6.181	6.537	6.942	7.146	7.639	8.443	9.103	9.590	10.990	14.436	23.432
CLOCK HR* COR*	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.922	2.104	1.795	1.453	1.391	1.420	1.371	1.710	1.79	1.540	1.416	1.861	1.142
REGIONAL SKEW	2.200	1.400	1.300	1.200	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	7.746	8.979	7.059	5.621	5.069	5.267	5.313	6.743	6.507	6.393	5.557	7.335	3.963
N	47	47	47	47	47	47	47	47	47	47	47	47	47
RECORD YEAR	1934	1934	1934	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	11,190	18,320	19,530	19,530	19,730	20,460	21,490	26,752	26,670	29,090	32,280	46,780	52,900
NORMALIZED MAX	3.085	3.783	3.595	3.435	3.117	3.156	3.126	3.005	3.633	3.469	3.565	3.945	2,071
CALC. COEF. VAR	.549	.600	.601	.579	.591	.590	.601	.596	.596	.596	.596	.596	.438
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1772	.2390	.2636	.2790	.2963	.3050	.3260	.3603	.3910	.4093	.4690	.6161	1.0000
RPI10/A	.2946	.4035	.4503	.4764	.5052	.5104	.5537	.6077	.6600	.6842	.7714	1.0215	1.5576
RPI25/A	.3660	.5008	.5574	.5865	.6182	.6373	.6946	.7455	.7850	.8320	.9299	1,2340	1,6490
RPI50/A	.4071	.5720	.6352	.6659	.6990	.7231	.7744	.8499	.9056	.9393	.1,0425	1,3850	2,0575
RPI100/A	.4529	.6416	.7110	.7429	.7772	.8063	.9414	.9941	1,0102	1,0423	1,1510	1,5204	2,2374
RPI1000/A	.5987	.8801	.9882	1,0208	1,0715	1,0715	1,1705	1,2600	1,3200	1,3200	1,3200	1,3200	2,0749
RPI10000/A	.7756	1,0884	1,1836	1,2436									

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNO LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 2750 06 0IN 0BW C S 34°206 117°761 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.54	5.82	6.47	6.98	7.34	7.72	8.17	8.69	9.51	10.23	12.10	15.54	24.85
5	6.84	8.97	10.04	11.79	11.66	12.57	13.28	14.47	15.45	17.93	23.28	35.07	
10	9.45	11.11	12.49	13.29	13.82	14.91	15.46	16.20	17.67	18.60	21.61	26.26	41.54
20	9.77	13.15	16.68	15.63	16.17	17.16	18.16	19.11	20.64	21.92	25.00	32.89	47.49
25	10.21	13.79	15.38	16.38	16.91	17.96	19.00	19.96	21.57	22.86	26.05	34.32	49.33
40	11.12	15.13	16.84	17.07	17.26	19.61	20.74	21.68	22.02	23.36	26.20	35.03	53.11
50	11.54	15.75	17.53	18.57	19.12	20.38	21.55	22.65	24.35	25.81	29.21	38.67	54.87
100	12.84	17.67	19.62	20.72	21.24	22.03	24.03	27.05	28.64	32.24	42.95	60.20	
200	14.11	19.55	21.67	22.83	23.34	25.02	28.04	27.64	28.97	31.19	35.19	48.95	65.57
500	16.48	22.33	25.23	26.42	29.09	31.93	34.47	35.57	37.88	41.78	56.14	76.93	
1000	20.94	29.85	35.80	34.13	34.46	35.39	39.50	41.37	33.69	46.09	50.79	69.79	
10000	24.26	57.42	64.94	69.42	72.03	75.89	80.22	83.84	91.04	95.76	107.94	142.54	193.07
PMP													
MEAN	5.024	6.581	7.280	7.783	8.102	8.594	9.100	9.659	10.471	11.246	13.140	17.040	26.667
CLOCK MR. CDF	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.948	1.574	1.559	1.443	1.455	1.455	1.796	1.743	1.488	1.426	1.474	1.867	1.012
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	7.746	6.046	5.361	4.842	4.996	5.801	7.203	6.949	6.668	5.682	6.131	7.367	3.496
N	39	35	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1952	1953	1953	1953	1949	1949	1949	1949	1949	1949	1949	1949	1949
RECORD MAXIMUM	14.320	19.140	20.900	20.900	21.680	25.980	30.910	31.566	33.300	33.800	38.310	55.870	62.800
NORMALIZED MAX	3.047	3.145	2.876	2.716	2.644	3.148	3.670	3.616	3.538	3.405	3.500	3.729	2.842
CALC. COEF. VAR	.607	.607	.651	.621	.633	.643	.653	.627	.617	.589	.547	.611	.477
RECN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1884	.2468	.2730	.2918	.3038	.3223	.3412	.3622	.3926	.4217	.4927	.6390	1.0000
RP10/A	.3132	.4167	.4660	.4984	.5101	.5474	.5794	.6168	.6627	.7050	.8104	.9597	1.5576
RP25/A	.3827	.5172	.5769	.6133	.6339	.6735	.7124	.7494	.8087	.8561	.9769	.1.2871	1.8498
RP50/A	.4329	.5907	.6573	.6965	.7169	.7641	.8082	.8493	.9133	.9678	1.0952	1.4500	2.0578
RP100/A	.4816	.6626	.7356	.7772	.7971	.8521	.9012	.9463	1.0144	1.0738	1.2031	1.6010	
RP1000/A	.6366	.8943	.9873	1.0338	1.0567	1.1323	1.1973	1.2593	1.3340	1.4064	1.4968	2.0464	2.6889
RP10000/A	.7853	1.1193	1.2300	1.2600	1.2922	1.4040	1.4813	1.5362	1.6284	1.7046	2.1046	2.5793	3.4781
RP/M	1.5846	2.1932	2.4350	2.6033	2.7010	2.8458	3.0081	3.1441	3.4140	3.5908	4.0478	5.3453	7.2400

STATION NO. STATION NAME ELEV SEC TMP RNO LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 695 0 VAN NUYS FC 15 695 0IN 15W 5 34°180 118°451 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.91	3.56	3.93	4.35	4.60	4.73	4.98	5.33	5.82	6.14	7.27	9.45	14.21
5	4.39	5.45	6.05	6.77	7.27	7.46	8.05	8.67	9.27	10.77	14.15	20.05	
10	5.38	6.79	7.64	8.28	8.67	9.04	9.42	9.99	10.63	11.28	12.98	17.18	23.75
20	6.27	8.04	8.91	9.74	10.15	10.52	11.06	11.72	12.65	13.15	15.02	19.99	27.15
25	6.55	8.43	9.33	10.20	10.60	11.01	11.57	12.26	13.21	13.73	15.65	20.87	28.21
40	7.14	9.25	10.22	11.14	10.83	12.02	12.61	13.37	13.49	14.02	16.94	21.29	30.37
50	7.41	9.63	10.64	11.58	11.99	12.50	13.13	13.89	14.92	15.49	17.54	23.51	31.37
100	8.24	10.80	11.91	12.92	13.33	13.93	14.64	15.45	16.37	17.97	20.36	24.42	
200	9.06	11.58	13.15	14.23	15.16	15.34	16.12	17.01	18.03	20.14	28.55	37.38	
500	10.90	14.25	15.58	17.08	17.58	19.45	20.53	21.80	22.55	25.09	34.13	43.99	
1000	13.74	18.25	19.90	21.27	21.62	22.91	24.07	25.37	26.77	27.66	30.50	41.82	53.03
PMP	27.13	35.10	39.40	43.27	45.18	46.53	48.87	51.42	55.78	57.46	64.83	86.66	110.40

MEAN	3.225	4.023	4.417	4.851	5.082	5.270	5.544	5.924	6.415	6.748	7.892	10.360	15.248
CLOCK MR. CDF	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.988	1.100	1.022	1.088	1.050	1.079	1.024	1.087	1.089	1.023	1.143	1.280	
REGIONAL SKW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000

KURTOSIS	4.002	4.194	4.094	2.777	2.752	2.805	2.860	2.925	2.694	2.930	3.241	4.186	5.366
N	48	58	48	48	48	48	49	49	49	49	49	49	50
RECORD YEAR	1952	1953	1943	1943	1943	1943	1943	1943	1943	1941	1941	1941	1941
RECORD MAXIMUM	6.760	10.830	11.310	11.310	11.610	12.240	13.020	13.450	14.240	15.280	16.770	25.080	39.750
NORMALIZED MAX	2.264	3.404	2.984	2.503	2.419	2.448	2.400	2.271	2.379	2.802	2.789	3.643	
CALC. COEF. VAR	.494	.497	.523	.532	.531	.537	.551	.529	.537	.532	.492	.509	.441
RECN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2115	.2638	.2897	.3181	.3333	.3456	.3636	.3885	.4207	.4425	.5176	.6794	1.0000
RP10/A	.3516	.4455	.4945	.5432	.5864	.5875	.6176	.6551	.7101	.7398	.8512	.1.2457	1.5976
RP25/A	.4297	.5530	.6122	.6687	.6955	.7222	.7591	.8037	.8666	.9005	.1.0261	.1.3685	1.8498
RP50/A	.4860	.6316	.6976	.7592	.7685	.8194	.8612	.9109	.9785	.1.0156	.1.5041	.2.0248	2.0575
RP100/A	.5406	.7084	.7809	.8741	.9138	.9603	.1.0149	.1.0769	.1.1426	.1.1804	.1.6740	.2.4294	2.6849
RP1000/A	.7147	.9582	1.0477	1.1206	1.1525	1.2140	1.2842	1.3524	1.4294	1.4986	1.6545	2.3848	2.7483
RP10000/A	.8916	1.1630	1.2553	1.3551	1.4166	1.5025	1.5784	1.6464	1.7755	1.8137	2.0005	2.7425	3.4781
RP/M	1.7790	2.3021	2.5841	2.8375	2.9430	3.0518	3.2053	3.3720	3.4582	3.7680	4.2517	5.6932	7.2400

PEARSON TYPE III1 DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 9484 1 WATERMAN GUARD STATION 3290 34.266 118.144 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.03	6.25	6.95	7.40	7.78	8.12	8.69	9.22	10.11	10.73	12.55	15.86	25.75
5	7.58	9.64	10.79	11.64	11.96	12.50	13.36	14.05	15.39	16.20	18.59	22.76	36.35
10	9.25	11.94	13.35	14.09	14.65	15.37	16.43	17.28	18.80	19.72	22.41	28.64	43.05
20	10.81	14.13	15.77	16.57	17.15	18.06	19.30	20.26	21.96	22.98	25.92	33.56	49.22
25	11.20	14.82	16.50	17.35	18.53	19.89	20.19	21.20	22.92	24.49	24.00	31.24	35.02
50	12.78	16.92	18.84	19.69	20.47	20.93	22.50	23.24	24.98	26.49	26.08	33.45	35.55
100	14.22	18.98	21.08	21.97	22.54	23.91	25.54	26.77	28.77	30.03	33.43	43.75	62.39
200	15.62	21.01	23.29	24.20	24.75	26.32	28.12	29.45	31.56	32.92	36.48	47.92	67.75
1000	16.79	25.62	28.29	29.23	29.71	31.77	33.94	35.50	37.83	39.41	43.31	57.30	79.74
10000	23.18	32.07	35.25	36.19	36.54	39.31	41.99	43.86	46.47	48.33	52.66	70.20	96.13
PHP	46.78	61.69	69.77	73.60	76.38	79.04	85.27	88.93	96.83	100.42	111.92	145.46	200.11

MEAN	5.562	7.070	7.822	8.252	8.591	9.042	9.673	10.246	11.136	11.793	13.623	17.391	27.640
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.280	1.869	1.590	1.388	1.451	1.622	1.672	1.659	1.545	1.507	1.346	1.806	2.010
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000

KURTOSIS	4.273	7.299	5.792	4.962	5.156	6.259	6.000	6.311	5.672	5.504	4.804	6.844	3.537
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1938	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	12.410	22.250	24.000	24.270	24.670	29.370	33.330	33.66	35.300	37.950	39.470	56.240	62.480
NORMALIZED MAX	2.130	3.451	3.276	3.200	2.98	3.494	3.715	3.536	3.428	3.479	3.298	3.770	2.766
CALC. COEF. VAR.	.578	.622	.531	.606	.628	.643	.650	.646	.653	.637	.576	.591	.456
REGN. COEF. VAR.	.494	.515	.508	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.521	.512	.513	.501	.481	.491	.491	.416

MEAN/A	.0012	.2558	.2830	.2985	.3108	.3271	.3500	.3707	.4029	.4267	.4929	.6292	1.0000
RPM/A	.3345	.4319	.4331	.5094	.5301	.5560	.5944	.6259	.6800	.7133	.8107	.10435	.15576
RP50/A	.4088	.5361	.5379	.6276	.6486	.6836	.7306	.7749	.8296	.8602	.9055	.12717	.18496
RP100/A	.4084	.5361	.5379	.6276	.6486	.6836	.7306	.7749	.8296	.8602	.9055	.12717	.20575
RP1000/A	.5143	.6869	.7128	.7950	.8195	.8649	.9242	.9864	.10406	.10865	.12995	.15628	.25274
RP10000/A	.6799	.9270	1.0235	1.0575	1.0749	1.1493	1.2279	1.2845	1.3686	1.4257	1.5671	2.0730	2.6849
RP100000/A	.0387	1.1804	1.2752	1.3093	1.3220	1.4221	1.5191	1.5877	1.6812	1.7467	1.9051	2.5399	3.4781
PHP/A	1.6924	2.2318	2.5244	2.6630	2.7632	2.8885	3.0494	3.2175	3.5031	3.6331	4.0490	5.2633	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB UOS 9480 0 WHITTIER CITY HALL FC 104 320 28 025 11M 5 33.975 118.035 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.43	2.91	3.24	3.44	3.62	3.81	4.07	4.38	4.89	5.26	6.30	8.19	13.07
5	3.06	4.48	9.03	5.32	5.56	9.86	6.26	6.68	7.44	7.94	9.33	12.27	18.44
10	4.46	5.55	6.23	6.56	6.82	7.20	7.69	8.20	9.05	9.67	11.25	14.90	21.84
20	5.22	6.57	7.36	7.71	7.98	8.46	9.05	9.61	10.61	11.27	13.01	17.34	24.97
25	5.46	6.89	7.71	8.07	8.34	8.86	9.46	10.05	11.08	11.77	13.52	17.05	25.94
50	5.99	7.48	8.31	8.81	9.32	9.84	10.35	10.97	11.32	12.00	13.80	16.85	23.93
50	6.17	7.87	8.99	9.16	9.43	10.05	10.63	11.22	12.02	12.87	15.20	20.38	26.85
100	6.88	8.83	9.83	10.22	10.49	11.21	11.96	12.70	13.94	14.73	17.38	22.60	31.65
200	7.54	9.77	10.86	11.26	11.51	12.34	13.17	13.97	15.25	16.14	18.31	24.75	34.37
1000	9.07	11.92	13.19	13.60	13.82	14.89	15.89	16.84	18.28	19.32	21.74	29.59	40.45
10000	11.19	14.92	16.44	16.84	17.00	18.42	19.63	20.82	22.45	23.70	26.43	38.26	48.77
PHP	22.59	28.70	32.54	34.24	35.53	37.42	39.92	42.19	46.79	49.24	56.17	75.1	101.52

MEAN	2.686	3.289	3.648	3.839	3.997	4.238	4.529	4.861	5.381	5.783	6.837	8.902	14.022
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.399	1.276	1.007	.875	.844	.872	.935	.845	1.003	.994	.994	1.035	1.317
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.000	1.000

KURTOSIS	5.513	4.447	3.535	2.983	2.977	3.044	3.585	3.275	3.777	3.510	3.611	4.552	4.427
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1956	1943	1956	1938	1938	1969	1969	1969	1962	1962	1941	1969	1941
RECORD MAXIMUM	6.100	7.190	6.020	8.100	8.830	9.560	11.380	11.720	13.100	13.710	15.760	21.960	32.850
B2,855	2.436	2.473	2.231	2.450	2.475	2.973	2.647	2.766	2.660	2.641	2.982	3.305	3.305
CALC. COEF. VAR.	.445	.407	.495	.498	.494	.507	.509	.496	.523	.511	.494	.496	.406
REGN. COEF. VAR.	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.0195	.2345	.2602	.2737	.2850	.3022	.3230	.3467	.3837	.4124	.4676	.6406	1.0000
RPM/A	.3184	.3960	.4441	.4675	.4861	.5137	.5466	.5646	.6477	.6394	.8011	.0025	1.576
RP50/A	.3690	.4454	.5495	.5755	.5447	.6316	.7633	.7742	.7704	.8392	.8747	.10433	1.678
RP100/A	.4494	.5814	.6255	.6745	.6745	.8193	.8520	.8126	.8926	.9261	.9438	.14535	1.5755
RP1000/A	.4495	.6297	.7013	.7299	.7478	.7991	.8530	.9057	.1051	.10503	.11491	.16114	2.2574
RP10000/A	.6471	.8500	.9410	.9667	.9857	.10,019	11.333	12.013	13.038	13.760	14.021	.11,302	2.1105
RP100000/A	.7982	1.0640	1.1724	1.2006	1.2123	1.3140	1.4021	1.4846	1.6902	1.6647	2.5858	3.4781	3.4781
PHP/A	1.6107	2.0486	2.3209	2.4416	2.5330	2.6689	2.8472	3.0091	3.3367	3.5115	4.0055	5.3584	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
W01 1266 0 CAIN RANCH ELEV SEC TWP RNB LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
451 6850 03 015 26E C M 37.892 119.091 26

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.06	2.22	2.33	2.40	2.49	2.63	2.86	3.24	3.50	4.16	5.56	16.17
5	2.48	3.14	3.48	3.62	3.75	3.91	4.08	4.42	4.80	5.30	6.09	7.98	13.41
10	3.04	3.93	4.39	4.55	4.72	4.92	5.15	5.55	6.06	6.57	7.40	9.65	15.50
20	3.57	4.71	5.27	5.45	5.66	5.91	6.19	6.67	7.19	7.79	8.65	11.26	17.44
25	3.75	4.96	5.55	5.74	5.96	6.23	6.52	7.03	7.55	8.18	9.04	11.76	18.05
40	4.10	5.48	6.13	6.36	6.59	6.89	7.22	7.78	8.30	8.99	9.86	12.82	18.34
50	4.27	5.73	6.41	6.63	6.89	7.20	7.56	8.13	8.65	9.37	10.24	13.32	19.87
100	4.78	6.49	7.27	7.50	7.80	8.16	8.52	9.23	9.73	10.55	11.42	14.85	21.63
200	5.29	7.75	8.51	8.87	9.21	9.58	10.24	11.20	11.71	12.57	13.57	15.25	22.15
1000	6.46	9.00	10.00	10.38	10.81	11.31	11.96	12.84	13.26	14.39	15.25	19.80	27.20
10000	8.11	11.49	12.83	13.21	13.77	14.42	15.30	16.42	16.73	18.15	18.88	24.63	32.50
PMP	14.62	19.96	22.96	23.60	24.62	25.82	26.69	28.61	30.42	33.01	35.75	45.21	63.44

MEAN	1,912	2,390	2,567	2,705	2,793	2,899	3,070	3,321	3,696	3,997	4,631	6,180	10,798
CLOCK HR, COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,388	1,682	1,680	1,698	1,544	1,578	1,535	1,308	1,016	1,750	1,902	1,866	1,656
REGIONAL SKEW	1,600	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800
SKEW USED	1,500	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800

KURTOSIS	4,448	7,026	6,478	6,749	6,170	6,825	5,787	5,102	4,344	3,311	3,925	3,537	2,736
N	4	8	20	30	30	30	48	38	38	38	38	28	28
RECORD YEAR	1956	1943	1943	1956	1956	1956	1956	1956	1956	1956	1938	1952	
RECORD MAXIMUM	3,670	6,690	7,110	8,020	8,100	8,830	9,050	9,47	9,850	9,850	11,280	13,610	19,130
NORMALIZED MAX	2,095	3,075	2,962	3,236	3,221	3,451	3,310	3,238	3,054	2,743	2,953	2,936	2,266
CALC. COEF. VAR	.488	.585	.590	.607	.590	.593	.589	.569	.545	.534	.486	.474	.340
REGN. COEF. VAR	.443	.490	.529	.515	.521	.527	.513	.506	.482	.464	.448	.421	.325
USED COEF. VAR	.443	.490	.529	.515	.521	.527	.513	.506	.482	.464	.448	.421	.325

MEAN/A	.1771	.2214	.2396	.2505	.2586	.2685	.2843	.3085	.3423	.3701	.4289	.5723	1.0000
RP10/A	.2814	.3663	.4061	.4213	.4370	.4558	.4765	.514	.5616	.6082	.6857	.8936	1.4358
RP25/A	.3468	.4593	.5136	.5316	.5522	.5767	.6042	.6508	.6991	.7576	.8376	.1,0894	1.6714
RP50/A	.3952	.5303	.5936	.6136	.6380	.6667	.6998	.7531	.8090	.8681	.9487	1.2334	1.8461
RP100/A	.4429	.6009	.6728	.6948	.7228	.7558	.7947	.854	.9013	.9770	1.058	1.3748	2.0031
RP1000/A	.5985	.8333	.9323	.9697	1,0068	1,0476	1,1072	1,1971	1,2244	1,3322	1,4377	1,6877	2,0594
RP10000/A	.7813	1,0603	1,1844	1,2426	1,2751	1,3356	1,4070	1,5208	1,6197	1,6811	1,7481	2,0281	3,0111
PMP/A	1,3340	1,8484	2,1264	2,1856	2,2800	2,3907	2,4721	2,6497	2,8170	3,0572	3,3108	4,4867	5,8750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
W01 3369 0 GEM LAKE ELEV SEC TWP RNB LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
8970 19 025 26E M 37.752 119.143 26

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.69	2.58	2.87	3.22	3.49	3.74	4.21	4.68	5.58	6.04	7.14	14.26	20.34
5	2.76	3.93	4.40	5.01	5.46	5.86	6.54	7.24	8.42	9.14	10.45	14.73	26.83
10	3.28	4.92	5.66	6.29	6.86	7.39	8.24	9.10	10.43	11.31	12.70	17.82	31.01
20	3.97	5.89	6.79	7.54	8.24	8.87	9.91	10.93	12.37	13.42	14.84	20.79	34.89
25	4.16	6.20	7.16	7.94	8.67	9.35	10.45	11.52	12.98	14.09	15.51	21.72	36.10
40	4.56	6.85	7.91	8.77	9.59	10.34	11.57	12.75	14.26	15.49	16.91	23.69	36.69
50	4.74	7.16	8.27	9.15	10.02	10.80	12.10	13.33	14.87	16.18	17.57	24.59	39.74
100	5.32	8.11	9.37	10.38	11.62	12.47	13.22	14.74	16.33	17.84	19.28	21.41	32.26
200	5.80	9.16	10.47	11.88	13.29	14.67	15.37	16.92	18.50	20.18	21.56	30.20	46.69
1000	7.19	11.25	12.99	14.35	15.71	16.98	19.14	21.05	22.81	24.78	26.07	36.56	54.40
10000	9.02	14.36	16.55	18.27	20.02	21.64	24.50	26.92	28.77	31.27	32.38	45.49	65.01
PMP	16.26	24.95	29.42	32.64	35.84	38.74	42.74	46.90	52.30	56.87	61.32	83.49	126.88

MEAN	2,126	2,988	3,338	3,741	4,062	4,350	4,915	5,460	6,355	6,685	7,943	11,413	21,597
CLOCK HR, COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.512	.351	.758	.711	.598	.566	.501	.415	.359	.311	.277	.1,777	.324
REGIONAL SKEW	1,600	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800
SKEW USED	1,600	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800

KURTOSIS	2,598	2,872	3,227	3,285	2,829	2,670	3,343	4,483	3,700	3,291	3,328	3,574	2,219
N	4	44	44	44	44	44	44	44	44	44	44	44	50
RECORD YEAR	1941	1956	1956	1956	1941	1941	1969	1969	1969	1969	1941	1941	1941
RECORD MAXIMUM	3,480	5,200	6,800	7,500	7,890	8,500	10,020	13,160	13,850	14,590	16,190	23,260	36,600
NORMALIZED MAX	1,725	2,131	2,551	2,378	2,577	2,828	2,450	3,225	2,780	2,664	2,669	2,599	2,271
CALC. COEF. VAR	.369	.347	.407	.423	.416	.417	.424	.437	.424	.420	.398	.399	.308
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325

MEAN/A	.0985	.1384	.1545	.1732	.1881	.2014	.2276	.2520	.2943	.3168	.3678	.5285	1.0000
RP10/A	.1564	.2277	.2619	.2913	.3178	.3420	.3814	.4214	.4827	.5239	.5880	.6251	1.4358
RP25/A	.1928	.2871	.3313	.3745	.4015	.4327	.4837	.5334	.6016	.6525	.7183	.1,0559	1.6714
RP50/A	.2197	.3315	.3829	.4243	.4638	.5002	.5602	.6172	.6885	.7477	.8132	.1,1360	1.8401
RP100/A	.2462	.3756	.4349	.4865	.5255	.5671	.6302	.7025	.7765	.8466	.9174	.1,2194	2.1031
RP1000/A	.3327	.5297	.6614	.6645	.7860	.8362	.9546	.1,0580	.1,1475	.1,2072	.1,5189	.2,5189	
RP10000/A	.4176	.7450	.7685	.8461	.9271	.1,0221	1,1344	1,2464	1,3490	1,4490	1,4991	2,1064	3,0101
PMP/A	.7527	1,1594	1,3716	1,5113	1,6978	1,7938	1,9790	2,1718	2,4217	2,6333	2,8392	3,6656	5,8750

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB W03 5779 0 MONO LAKE 93 6450 30 02N 26E C M 38.008 119.151 26

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	2.11	2.78	3.14	3.26	3.47	3.76	3.96	4.19	4.44	4.76	5.62	6.98	12.49
5	3.07	4.19	4.85	4.97	5.32	5.75	6.00	6.32	6.55	7.04	8.06	9.92	16.40
10	3.65	5.13	5.97	6.08	6.51	7.02	7.30	7.67	7.86	8.45	9.55	11.81	16.83
20	4.27	6.01	7.00	7.10	7.61	8.12	8.43	8.74	9.05	9.74	10.50	13.54	21.04
25	4.46	6.29	7.34	7.42	7.98	8.54	8.86	9.29	9.43	10.14	11.31	14.11	21.73
40	4.83	6.87	8.01	7.58	8.13	9.28	9.61	10.08	10.18	10.95	12.15	15.76	23.22
50	5.01	7.14	8.33	9.38	8.99	9.62	9.96	10.44	10.53	11.33	12.54	15.76	23.77
100	5.55	7.97	9.29	9.31	10.00	10.65	11.03	11.56	11.59	12.47	13.72	17.35	25.73
200	6.07	8.78	10.23	10.21	10.97	11.67	12.06	12.63	12.61	13.57	14.84	16.91	27.02
1000	7.25	10.61	12.35	12.25	13.16	13.93	14.37	15.04	14.95	16.02	17.34	22.40	31.63
10000	8.89	13.17	15.29	15.05	16.18	17.02	17.54	18.34	17.98	19.35	20.70	27.20	37.55
PMP	17.70	25.85	31.08	31.37	33.79	36.62	37.60	39.28	39.34	42.38	46.13	55.21	77.06

MEAN	2.315	3.095	3.501	3.595	3.833	4.113	4.324	4.568	4.780	5.129	5.976	7.547	13.120
CLOCK MR. COR.	1.140	1.070	1.040	1.029	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.091	2.077	2.273	2.139	1.899	1.946	1.677	1.609	1.727	1.519	1.647	1.344	1.141
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900
SKW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900

KURTOSIS	6.636	6.576	7.831	7.311	6.459	6.835	6.791	6.635	6.309	5.008	5.818	5.006	4.306
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1963	1983	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	1.319	1.903	12.40	12.00	14.02	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
NORMALIZED MAX	2.314	2.437	2.947	2.949	2.949	3.007	3.190	3.170	3.155	2.800	3.111	2.879	2.633
CALC. COEF. VAR	.712	.783	.859	.831	.802	.775	.755	.698	.663	.600	.648	.498	.376
REDN. COEF. VAR	.443	.490	.545	.521	.521	.527	.513	.503	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.533	.527	.513	.506	.482	.484	.448	.421	.325	.325

MEAN/A	.1765	.2359	.2640	.2740	.2921	.3055	.3206	.3402	.3545	.3900	.4555	.5753	1.0000
RP10/A	.2813	.3967	.4567	.4632	.4562	.5344	.5562	.5844	.5994	.6442	.7282	.9070	1.3111
RP25/A	.3397	.4797	.5594	.5655	.6066	.6509	.6570	.7081	.7187	.7727	.8522	.10759	.14500
RP50/A	.3618	.5442	.6349	.6388	.6856	.7334	.7594	.7981	.8030	.8635	.9561	1.2013	1.0119
RP100/A	.4227	.6071	.7082	.7096	.7619	.8128	.8046	.8608	.8636	.9503	1.0455	1.3226	1.9511
RP1000/A	.5329	.8086	.9415	.9335	1.0035	1.0520	1.0937	1.1456	1.1348	1.2210	1.3216	1.7071	2.4261
RP10000/A	.6777	1.0035	1.1854	1.1468	1.2335	1.2976	1.3398	1.3978	1.3703	1.4747	1.5781	2.0731	2.6619
PMP/A	1.3491	1.9700	2.3868	2.3907	2.5752	2.7915	2.8657	2.9911	2.9983	3.2285	3.5165	4.2060	5.0750

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB W03 50 51 ALABAMA MILLS 447 3675 36.671 118.094 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS 10 20 30 40 50 60 80 100 150 200 300 600 3650

2	.97	1.06	1.17	1.19	1.24	1.27	1.29	1.41	1.46	1.61	1.94	3.43	
5	1.67	1.98	2.16	2.20	2.23	2.37	2.39	2.57	2.61	2.75	3.30	5.20	
10	2.18	2.65	2.97	2.99	2.97	3.09	3.17	3.19	3.36	3.42	4.23	6.34	
20	2.63	3.47	3.56	3.64	3.70	3.86	3.93	4.06	4.22	4.39	4.66	5.70	
25	2.78	3.48	3.76	3.86	3.93	4.06	4.22	4.39	4.57	4.74	5.42	7.73	
40	3.10	3.91	4.25	4.34	4.41	4.58	4.75	4.75	4.91	4.97	5.68	6.01	7.89
50	3.22	4.11	4.46	4.56	4.64	4.82	5.00	5.00	5.15	5.22	5.21	6.29	6.72
100	3.70	4.75	5.14	5.25	5.34	5.55	5.78	5.77	5.90	5.97	5.91	7.15	9.68
200	4.15	5.37	5.61	5.93	6.04	6.25	6.55	6.54	6.64	6.72	6.59	7.99	10.61
1000	5.61	6.72	7.51	7.84	7.86	8.33	8.31	8.34	8.43	8.50	9.92	12.71	18.61
10000	6.65	8.68	9.32	9.73	9.84	10.31	10.63	10.83	10.85	10.84	10.33	12.63	15.60
PMP	12.40	15.90	17.49	17.89	18.24	18.97	19.50	19.51	20.22	20.30	20.33	24.10	32.45

MEAN	1.164	1.351	1.455	1.481	1.493	1.552	1.601	1.624	1.720	1.775	1.803	2.289	3.778
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.049	2.231	2.043	2.151	2.205	2.233	2.239	2.017	2.059	2.019	1.886	.676	
REGIONAL SKEW	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.500	
SKW USED	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.500	

KURTOSIS	10.320	9.470	8.375	8.665	9.073	9.486	9.822	8.541	7.350	7.567	7.441	7.432	3.662
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1963	1967	1969	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969
RECORD MAXIMUM	4.200	5.000	5.000	6.100	6.400	6.500	6.500	6.500	6.500	6.500	6.500	9.000	9.000
NORMALIZED MAX	3.513	3.798	3.604	3.951	4.028	3.842	3.745	3.720	3.552	3.434	3.412	3.597	2.868
CALC. COEF. VAR	.821	.622	.785	.605	.620	.616	.607	.607	.702	.785	.728	.699	.510
REDN. COEF. VAR	.644	.718	.735	.739	.748	.745	.730	.717	.698	.653	.637	.506	
USED COEF. VAR	.644	.718	.735	.739	.748	.745	.730	.717	.698	.653	.637	.506	

MEAN/A	.3000	.3577	.3851	.3920	.3953	.4110	.4239	.4300	.4554	.4608	.4986	.6000	1.0000
RP10/A	.5717	.6960	.7594	.7754	.7864	.8179	.8401	.8436	.8993	.9058	.9238	1.2020	1.4785
RP25/A	.7371	.9209	1.0016	1.0231	1.0390	1.0807	1.1195	1.1195	1.1794	1.1913	1.4343	2.0453	
RP50/A	.8595	1.0891	1.1810	1.2073	1.2270	1.3233	1.3242	1.3630	1.3916	1.3794	1.6564	2.3079	
RP100/A	.9061	1.2553	1.3600	1.3697	1.4131	1.4692	1.5282	1.5285	1.5615	1.5612	1.5633	1.8914	2.5610
RP1000/A	1.3735	1.8055	1.9438	1.9872	2.0227	2.1030	2.2059	2.2010	2.2316	2.1571	2.0261	3.3646	
RP10000/A	1.7590	2.3520	2.5200	2.6769	2.6246	2.7298	2.8676	2.8679	2.8449	2.8703	2.7342	3.3437	4.1295
PMP/A	3.2357	4.2096	5.0308	4.7371	4.6263	5.0220	5.1615	5.1366	5.3530	5.3699	5.3622	6.3958	8.5940

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNB LOT BWM LATITUDE LONGITUDE COUNTY CODE  
W03 776 0 BISHOP PH 3 450 5400 25 095 33E M 37.126 118.323 14

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.91	2.27	2.44	2.51	2.56	2.65	2.74	2.86	3.18	3.35	3.85	5.03	8.01
5	3.27	4.16	4.52	4.66	4.79	4.95	5.13	5.29	5.77	5.99	6.60	8.55	12.13
10	4.23	5.54	6.02	6.20	6.38	6.60	6.87	7.07	7.60	7.89	8.46	10.98	14.78
20	6.16	7.82	8.74	9.04	9.34	9.64	9.94	10.37	11.93	12.42	13.23	13.32	17.24
25	8.49	10.33	11.81	12.44	12.72	13.14	13.54	14.37	16.93	17.79	18.79	19.01	21.98
40	8.07	8.24	8.68	9.18	9.47	9.79	10.29	10.54	11.09	11.40	11.95	12.59	13.88
50	8.36	8.67	9.33	9.65	9.96	10.40	10.83	11.09	11.65	11.97	12.30	16.32	20.32
100	7.25	10.00	10.74	11.11	11.47	11.86	12.51	12.80	13.34	13.69	14.16	18.54	22.56
200	8.13	11.32	12.14	12.56	12.97	13.41	14.18	14.51	15.02	15.40	15.81	20.73	24.74
1000	10.16	14.38	15.35	15.89	16.42	16.97	18.05	18.44	18.87	19.33	19.54	25.74	29.63
10000	13.02	18.72	19.90	20.60	21.31	22.02	23.54	24.02	24.31	24.86	24.77	32.77	36.36
PPF	2.97	3.51	3.87	3.98	4.01	4.06	4.23	4.34	4.54	4.66	4.86	6.48	8.86
MEAN	2.279	2.847	3.041	3.134	3.208	3.315	3.468	3.602	3.891	4.070	4.517	5.938	8.806
CLOCK HR, CALCULATED SKW	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW USED	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800

KURTOSIS	2.899	3.520	3.880	3.954	4.071	5.341	8.155	7.336	8.538	8.393	10.418	6.608
N	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44
RECORD MAXIMUM	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	1.866	2.675	2.721	2.809	3.273	3.026	3.914	3.922	3.834	4.023	4.082	3.814
CALC. COEF. VAR	.621	.691	.706	.722	.745	.769	.801	.775	.734	.723	.685	.712
REBN. COEF. VAR	.644	.710	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637
MEAN/A	.2586	.3233	.3454	.3559	.3643	.3765	.3939	.4091	.4419	.4622	.5129	.6744
RP10/A	.4803	.6292	.6814	.7041	.7250	.7493	.7805	.8225	.8629	.9099	.9606	1.2471
RP25/A	.6192	.8252	.8984	.9290	.9580	.9901	1.0375	1.0540	1.1271	1.1599	1.2255	1.5962
RP50/A	.7220	.9846	1.0598	1.0963	1.1313	1.1692	1.2297	1.2597	1.3225	1.3599	1.4191	1.8528
RP100/A	.8234	1.1357	1.2198	1.2619	1.3029	1.3465	1.4207	1.4540	1.5152	1.5552	1.6066	2.1050
RP1000/A	1.1538	1.6331	1.7432	1.8044	1.8649	1.9274	2.0495	2.0733	2.1434	2.1948	2.2194	2.9226
RP10000/A	1.4784	2.1263	2.2599	2.3399	2.4197	2.5007	2.6279	2.7282	2.7604	2.8230	2.8128	3.7213
PPM/A	2.7586	3.8656	4.1529	4.3014	4.5457	4.8008	4.7955	4.8888	5.1941	5.3012	5.5389	7.1181

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNB LOT BWM LATITUDE LONGITUDE COUNTY CODE  
W03 822 0 BISHOP A P 7 4108 05 075 33E M 37.367 118.367 14

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.22	1.42	1.51	1.53	1.60	1.65	1.70	1.75	1.90	2.09	2.30	2.91	4.92
5	2.10	2.60	2.80	2.84	3.00	3.09	3.18	3.44	3.74	3.94	4.95	7.48	
10	2.72	3.47	3.72	3.74	3.99	4.11	4.26	4.33	4.52	4.69	5.00	6.80	9.79
20	3.45	4.32	4.42	4.49	4.79	5.12	5.32	5.58	5.82	6.12	7.71	11.61	
25	3.45	4.49	4.60	4.68	5.29	5.51	5.66	5.73	5.91	6.37	6.48	8.14	11.08
40	3.90	5.15	5.50	5.89	5.92	6.10	6.37	6.45	6.61	7.11	7.15	9.03	
50	4.08	5.43	5.70	5.88	6.23	6.42	6.70	6.79	6.94	7.46	7.47	9.45	12.50
100	4.66	6.28	6.66	6.77	7.18	7.39	7.75	7.84	7.95	8.54	8.47	10.73	13.88
200	5.23	7.09	7.52	7.65	8.11	8.36	8.78	8.88	8.95	9.61	9.45	12.00	15.22
1000	6.53	9.00	9.51	9.68	10.27	10.58	11.17	11.29	11.52	12.08	11.90	14.90	18.23
10000	8.36	11.72	12.34	12.55	13.33	13.73	14.51	14.70	14.86	15.51	14.81	16.97	22.37
PPF	15.61	20.97	22.67	23.07	24.52	25.28	26.15	26.35	27.25	27.12	27.15	32.29	46.54
MEAN	1.464	1.782	1.885	1.909	2.006	2.067	2.147	2.205	2.318	2.539	2.701	3.438	5.418
CLOCK HR, CALCULATED SKW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW USED	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800
KURTOSIS	3.611	3.619	3.070	2.977	3.474	3.965	7.550	7.737	6.747	7.167	6.532	10.570	5.835
N	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
RECORD MAXIMUM	1969	1995	1945	1945	1967	1969	1969	1969	1969	1969	1969	1969	
NORMALIZED MAX	3.500	4.900	4.000	4.988	5.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	17.280
CALC. COEF. VAR	2.622	2.472	2.250	2.221	2.548	2.776	3.837	3.867	3.700	3.760	3.577	4.256	3.459
REBN. COEF. VAR	.843	.726	.730	.724	.741	.755	.810	.784	.770	.746	.746	.792	.633
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.730	.717	.699	.653	.637	.506	
MEAN/A	.8702	.3289	.3479	.3524	.3703	.3815	.3984	.4070	.4280	.4586	.4985	.6347	1.0000
RP10/A	.565	.6801	.6845	.697	.731	.792	.785	.7984	.8350	.9323	.9338	1.1737	1.6785
RP25/A	.6467	.8469	.9051	.9197	.9739	1.0332	1.0461	1.0566	1.0917	1.1761	1.1910	1.2040	2.0453
RP50/A	.7540	1.0016	1.0678	1.0853	1.1801	1.1847	1.2376	1.2532	1.269	1.3778	1.3792	1.7437	2.3079
RP100/A	.8598	1.1583	1.2288	1.2463	1.3245	1.3644	1.4286	1.4466	1.4676	1.5769	1.5833	1.9010	2.5618
RP1000/A	1.2050	1.6612	1.7563	1.7864	1.8959	1.9029	2.026	2.0831	2.0760	2.2254	2.1569	2.7504	3.3646
RP10000/A	1.5439	2.1629	2.2769	2.3165	2.4598	2.5338	2.6899	2.7142	2.6736	2.8624	2.7338	3.5621	4.1295
PPM/A	2.6008	3.8712	4.1841	4.2583	4.5257	4.6616	4.8262	4.8633	5.0307	5.3751	5.3811	6.8788	8.5900

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BNM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB W03 2069 0 COTTONWOOD CREEK 453 10600 03 175 35E M 36°48' 118°18' 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	190	200	300	600	3650
2	1.66	2.01	2.21	2.41	2.92	2.69	2.84	2.86	3.72	4.02	4.97	6.93	14.31
5	2.81	3.68	4.08	4.46	4.71	5.02	5.32	5.29	6.74	7.18	8.51	11.77	21.66
10	3.63	4.90	5.42	5.94	6.27	6.69	7.12	7.06	8.87	9.41	10.92	15.12	26.43
20	4.43	6.10	6.73	7.37	8.80	8.32	9.00	8.81	10.53	11.24	13.63	18.34	30.84
50	5.45	6.67	7.33	8.53	9.64	9.91	10.24	10.09	11.94	12.54	14.23	17.56	29.00
40	5.21	7.29	8.02	8.79	9.31	9.93	10.66	10.53	12.95	13.68	15.43	21.47	32.67
50	5.46	7.67	8.43	9.24	9.79	10.44	11.22	11.09	13.60	14.36	16.13	22.46	36.34
100	6.22	8.85	9.70	10.64	11.28	12.02	12.94	12.80	15.58	16.43	18.28	25.52	40.34
200	6.98	10.02	10.96	12.03	12.75	13.59	14.70	14.50	17.54	18.49	20.40	28.54	44.23
1000	8.72	12.72	13.86	15.21	16.14	17.21	18.70	18.43	22.04	23.19	25.22	35.43	52.98
10000	11.17	16.56	17.97	19.73	20.94	22.33	24.39	24.01	26.38	29.83	31.97	45.12	65.02
PMP	20.85	29.64	33.02	36.27	38.63	41.04	43.75	43.02	53.54	56.01	62.93	66.30	139.26

MEAN	1,956	2,518	2,746	3,001	3,153	3,362	3,594	3,600	4,543	4,683	5,829	8,176	15,746
CLOCK MR. COR.	1,140	1,670	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,981	2,462	1,835	1,901	1,855	1,663	1,660	2,037	1,958	2,006	1,699	1,898	1,107
REGIONAL SKEW	1,600	1,800	1,700	1,700	1,700	1,800	1,600	1,600	1,600	1,600	1,400	1,400	1,100
SKEW USED	1,600	1,800	1,700	1,700	1,700	1,800	1,600	1,600	1,600	1,600	1,400	1,400	1,100

KURTOSIS	6.619	10.527	6.592	6.983	6.614	5.372	5.305	7.757	7.114	7.112	6.313	7.432	4.737
N	19	19	19	19	19	19	19	18	19	19	22	22	23
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4,400	7,000	7,050	8,500	8,900	8,950	9,200	10,000	14,300	14,700	16,250	21,750	30,800
NORMALIZED MAX	2,545	3,092	2,767	2,968	2,970	2,533	2,605	3,021	2,801	3,003	3,291	2,874	
CALC. COEF. VAR	.455	.535	.500	.530	.627	.593	.639	.701	.674	.592	.611	.631	.506
REGN. COEF. VAR	.644	.716	.735	.739	.748	.746	.745	.730	.717	.698	.683	.637	
USED COEF. VAR	.644	.716	.735	.739	.748	.746	.745	.730	.717	.698	.683	.637	

MEAN/A	.1242	.1599	.1744	.1900	.2002	.2135	.2282	.2286	.2685	.3101	.3702	.5102	1.0000
RP10/A	.+2305	.3113	.3101	.3170	.3154	.4249	.4823	.4849	.5635	.5978	.8043	.9741	1.6745
RP25/A	.+2574	.3116	.4574	.5265	.5244	.5947	.7340	.7703	.8845	.9120	.9446	1.2290	2.453
RP50/A	.+3466	.4871	.5392	.5870	.6218	.6630	.7126	.7040	.8262	.9118	1.0242	1.4266	3.079
RP100/A	.+3953	.5616	.6159	.6757	.7161	.7633	.8023	.8127	.9894	.1,0439	.1,1810	1,6208	2,5048
RP1000/A	.+5539	.8078	.8803	.9662	1,0250	1,0929	1,1879	1,1703	1,3996	1,4727	1,6019	2,2502	3,8646
RP10000/A	.+7097	1,0516	1,1413	1,2529	1,3299	1,4780	1,5487	1,5248	1,8025	1,8942	2,0301	2,8625	4,1295
PMP/A	1,3242	1,6825	2,0972	2,3032	2,4468	2,6089	2,7707	2,7321	3,3916	3,5571	3,9962	5,4805	6,5900

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BNM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB W03 2071 0 COTTONWOOD GATES 454 3775 35 175 36E M 36°41' 118°03' 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.46	1.65	1.76	1.77	1.79	1.66	1.91	2.01	2.21	2.35	2.69	3.45	5.57
5	2.51	3.01	3.25	3.29	3.35	3.47	3.57	3.71	4.01	4.20	4.60	5.86	8.44
10	3.25	4.01	4.32	4.37	4.46	4.63	4.79	4.96	5.27	5.51	5.90	7.53	10.28
20	3.96	5.00	5.37	5.43	5.45	5.55	5.75	5.98	6.18	6.50	6.77	7.14	9.12
50	5.13	5.31	5.70	5.77	5.90	6.14	6.38	6.57	6.80	7.07	7.33	9.44	12.33
40	4.16	5.07	5.40	5.47	5.62	5.86	6.06	6.22	6.49	6.76	7.00	8.34	10.69
50	4.98	6.28	6.72	6.80	6.97	7.22	7.56	7.78	8.08	8.40	8.72	11.19	14.14
100	5.57	7.24	7.74	7.83	8.02	8.31	8.72	8.98	9.25	9.61	9.89	12.71	15.70
200	6.25	8.20	8.74	8.85	9.07	9.40	9.88	10.18	10.42	10.81	11.03	14.21	17.21
1000	7.60	10.42	11.06	11.20	11.48	11.90	12.57	12.94	13.09	13.56	13.64	17.65	20.61
10000	10.00	13.56	14.34	14.92	15.49	16.40	16.85	16.85	17.44	17.29	17.29	22.47	25.30
PMP	18.65	24.27	26.35	26.70	27.41	28.40	29.42	30.20	31.72	32.76	34.03	42.96	52.93

MEAN	1,750	2,062	2,191	2,209	2,243	2,324	2,416	2,527	2,699	2,856	3,153	4,072	6,127
CLOCK MR. COR.	1,140	1,670	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,644	1,803	1,905	1,840	2,126	2,080	2,093	2,185	1,846	1,923	1,681	1,785	1,108
REGIONAL SKEW	1,600	1,800	1,700	1,700	1,700	1,800	1,600	1,600	1,600	1,600	1,400	1,400	1,100
SKEW USED	1,600	1,800	1,700	1,700	1,700	1,800	1,600	1,600	1,600	1,600	1,400	1,400	1,100

KURTOSIS	6.437	6.600	7.307	6.957	8.711	7.997	7.832	8.209	6.855	7.315	6.418	7.380	4.643
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	5,100	6,780	6,160	8,160	9,320	9,320	9,730	9,730	10,260	10,446	14,809	17,180	
NORMALIZED MAX	2,924	3,460	3,498	3,502	3,827	3,742	3,166	3,902	3,328	3,324	3,304	3,302	
CALC. COEF. VAR	.455	.535	.578	.769	.830	.848	.812	.820	.772	.768	.713	.691	.666
REGN. COEF. VAR	.644	.716	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.716	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	

MEAN/A	.2856	.3366	.3576	.3606	.3661	.3794	.3944	.4125	.4402	.5145	.6647	1.0000	
RP10/A	.+5200	.4550	.7034	.7344	.7853	.7816	.8012	.8693	.8966	.9367	1,2292	1,7785	
RP25/A	.+8566	.8566	.9154	.9412	.9627	.9971	1,0369	1,0729	1,1238	1,1499	1,2295	1,7733	2,4533
RP50/A	.7966	1.0249	1.0976	1.1107	1.1369	1.1702	1.2270	1.3184	1.3708	1.4237	1,6242	2,3079	
RP100/A	.9087	1.1922	1.2631	1.2785	1.3093	1.3569	1.4226	1.4602	1.5106	1.5656	1,6138	2,0748	2,5616
RP1000/A	1,2733	1,7000	1,8053	1,8201	1,8741	1,9422	2,0522	2,1113	2,1368	2,2137	2,2266	2,8806	3,3646
RP10000/A	1,6316	2,42133	2,3404	2,3705	2,4310	2,5192	2,6764	2,7510	2,7519	2,8473	2,8219	3,6679	4,1293
PMP/A	3,0												

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER 508  
W03 3434 11 CLAS

STATION NAME  
CIER LODGE

456 82

-EV SEC TWP  
200

RNG LOT 8W

M LATITUDE  
37°12'6

LONGITUDE C  
118° 43'

COUNTY  
CODE  
1A

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	500	3650
2	2.15	2.83	3.28	3.49	3.56	3.67	3.84	3.94	4.22	4.67	5.50	7.25	14.23
5	3.69	5.18	6.07	6.11	6.28	6.86	6.81	7.11	7.66	8.35	9.42	12.33	21.56
10	4.78	6.89	8.07	8.13	8.37	9.15	9.12	9.49	10.08	10.94	12.08	15.84	26.27
20	5.82	8.58	10.02	10.10	10.41	11.36	11.39	11.83	12.43	13.45	14.62	19.21	30.65
25	6.16	9.12	10.64	10.72	11.06	12.09	12.12	12.58	13.17	14.24	15.42	22.72	32.01
40	6.85	10.25	11.94	12.05	12.41	13.57	13.64	14.15	14.72	15.91	17.07	22.49	32.68
50	7.39	11.04	12.81	12.92	13.28	14.44	14.51	15.04	15.61	16.81	17.98	23.39	33.57
70	8.19	12.44	14.44	14.57	15.04	16.44	16.59	17.19	17.70	19.10	20.23	26.73	40.10
100	9.19	14.06	16.32	16.47	17.00	18.59	18.81	19.45	19.93	21.48	22.98	28.99	43.97
200	11.47	17.88	20.64	20.83	21.52	23.53	23.94	24.76	25.04	26.95	27.98	37.11	52.66
1000	14.70	23.28	26.76	27.01	27.92	30.53	31.22	32.26	32.25	34.67	35.34	47.25	64.63
10000	18.00	30.00	34.00	34.50	35.50	38.50	39.20	40.20	40.20	42.50	43.20	55.00	75.00

MEAN	2,573	3,541	4,089	4,109	4,204	4,597	4,601	4,837	5,163	5,676	6,452	8,563	15,652
CLOCK MR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED	1,478	1,646	1,626	1,608	1,603	1,269	1,511	1,424	1,207	1,164	.959	.997	2,299
REGIONAL	1,600	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,600	1,600	1,400	1,500	1,100
SKW USED	1,600	1,800	1,700	1,700	1,700	1,700	1,800	1,800	1,600	1,600	1,400	1,500	1,100

KURTOSIS	5.254	5.142	5.322	5.007	4.923	3.830	4.830	4.523	3.930	3.859	3.529	3.924	9.825	
N	21	21	20	19	19	20	19	19	19	19	19	19	19	20
ECORD YEAR	1956	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1969
MAXIMUM	6.400	9.700	11.900	12.450	13.100	13.180	13.420	13.700	13.940	13.940	14.550	14.900	48.100	
ALIZED MAX	2.279	2.270	2.404	2.407	2.481	2.330	2.543	2.491	2.376	2.281	2.283	2.443	3.528	
COEF. VAR	.853	.766	.794	.843	.853	.802	.754	.736	.716	.638	.550	.518	.589	
COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506	
COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506	

MEAN/A	1.854	.2252	.2613	.2625	.2886	.2937	.2939	.3090	.3298	.3265	.4122	.5471	1.0000
RP10/A	.3951	.4402	.5155	.5193	.5246	.5845	.5825	.6063	.6441	.6990	.7720	.0118	.6789
RP25/A	.3934	.5025	.6796	.6852	.7064	.7743	.7742	.8038	.8410	.9101	.9850	.12950	.20453
RP50/A	.4567	.6889	.8018	.8086	.8341	.9120	.9177	.9516	.9872	.10662	.14045	.15032	.20797
RP100/A	.5231	.7946	.9227	.9308	.9607	1.0453	1.0620	1.0984	1.1311	1.2202	1.2928	.17078	.25618
RP1000/A	.7330	1.1426	1.3188	1.3309	1.3751	1.5033	1.5294	1.5818	1.6000	1.7221	1.7837	2.3711	.33648
RP10000/A	.9392	1.4876	1.7097	1.7259	1.7841	1.9505	1.9946	2.0610	2.0605	2.2150	2.2600	.30191	.12959
PMP/A	1.7522	2.6622	3.1417	3.1726	3.2824	3.5887	3.5788	3.6929	3.8773	4.1593	4.4500	5.7749	8.5900

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
WAT

STATION NAME

66

LEV SEC TWF

RNG L07 8W

W LATITUDE

LONGITUDE C  
C  
117.967

OUNTY  
ODE  
IA

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.27	1.48	1.60	1.63	1.66	1.71	1.75	1.87	2.09	2.19	2.54	3.20	5.60
5	2.19	2.71	2.96	3.02	3.13	3.19	3.30	3.46	3.79	3.91	4.34	5.44	8.48
10	2.83	3.61	3.93	4.02	4.18	4.25	4.42	4.62	4.99	5.13	5.57	6.99	10.34
20	3.45	4.50	4.88	4.99	5.19	5.29	5.52	5.76	6.15	6.30	6.74	8.48	12.07
25	3.65	4.78	5.19	5.30	5.52	5.62	5.88	6.13	6.51	6.67	7.11	9.95	12.60
40	4.06	5.37	5.82	5.95	6.19	6.31	6.62	6.89	7.28	7.45	7.87	9.93	12.86

	MEAN	1.524	1.856	1.994	2.032	2.098	2.137	2.231	2.356	2.554	2.659	2.974	3.781	6.161
K_HR	COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
400		6.552	7.04	7.50	7.64	7.94	8.00	8.64	9.12	9.49	9.65	9.75	10.00	15.00
200		5.444	7.38	7.96	8.14	8.60	8.84	9.12	9.49	9.65	9.86	10.00	10.41	17.31
1000		6.80	9.37	10.06	10.30	10.74	10.94	11.61	12.06	12.39	12.63	12.87	16.39	26.73
10000		8.71	12.21	13.05	13.36	13.93	14.20	15.14	15.71	15.95	16.24	16.31	20.86	25.44
PMP		16.25	21.84	23.97	24.55	25.64	26.12	27.17	28.15	30.02	30.50	32.11	39.91	52.92

COEF.	.684	.710	.735	.737	.740	.740	.745	.750	.751	.752	.753	.754	
COEF. VAR	.684	.710	.735	.739	.740	.740	.745	.750	.751	.752	.753	.754	
MEAN/A	.2474	.3012	.3236	.3297	.3405	.3469	.3622	.3824	.4145	.4316	.4827	.6137	1.0000
RPI0/A	.4591	.5862	.6304	.5523	.6777	.6905	.7177	.7502	.8095	.8320	.9041	.11349	1.0785
RPI25/A	.5920	.7756	.8416	.8607	.8955	.9123	.9539	.9946	.1.0573	.1.0033	.1.1536	.1.4525	.2.0453
RPI50/A	.6902	.9173	.9930	1.0156	1.0574	1.0774	1.1307	1.1775	1.2406	1.2961	1.3356	1.6860	2.3079
RPI100/A	.7871	1.0591	1.1426	1.1691	1.2170	1.2406	1.3063	1.3592	1.4214	1.4524	1.5139	1.9155	2.5616

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

## PRECIPITATION DEPTH=DURATION=FAREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 0 INDEPENDENCE 72 3950 18 135 35E J M 36.801 118.1R5 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.67	1.22	1.31	1.36	1.39	1.41	1.42	1.47	1.63	1.74	2.01	2.45	4.14
5	1.83	2.24	2.43	2.52	2.60	2.63	2.66	2.73	2.96	3.12	3.44	4.17	6.27
10	2.17	2.98	3.23	3.36	3.47	3.50	3.56	3.64	3.89	4.08	4.42	5.36	7.64
20	2.89	3.72	4.00	4.17	4.31	4.36	4.45	4.54	4.80	5.02	5.34	6.50	8.91
25	3.06	3.95	4.25	4.43	4.58	4.63	4.73	4.82	5.08	5.32	5.64	6.86	9.31
40	3.40	4.44	4.77	4.97	5.14	5.20	5.33	5.43	5.68	5.94	6.24	7.60	9.50
50	3.57	4.67	5.02	5.28	5.41	5.46	5.61	5.71	5.96	6.23	6.53	7.95	10.51
100	4.07	5.56	5.87	6.02	6.23	6.29	6.40	6.59	7.03	7.40	7.94	11.66	
200	4.56	6.10	6.52	6.80	7.14	7.32	7.35	7.47	7.69	8.02	8.25	11.11	12.70
1000	5.70	7.75	8.25	8.60	8.91	9.01	9.35	9.49	9.67	10.06	10.23	12.55	17.32
10000	7.30	10.09	10.70	11.16	11.57	11.69	12.19	12.37	12.45	12.94	12.93	15.98	18.80
PMP	13.62	18.05	19.66	20.51	21.28	21.50	21.87	22.11	23.42	24.30	25.46	30.57	39.10

MEAN	1.276	1.534	1.635	1.697	1.741	1.760	1.796	1.854	1.992	2.118	2.359	2.896	4.552
CLOCK HR.	CDR.	1.140	1.070	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.710	3.030	3.225	2.910	2.700	2.682	2.592	2.610	2.371	2.213	2.023	1.733	1.594
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100

KURTOSIS	13.446	16.008	18.101	14.013	13.412	13.335	12.617	13.037	10.800	9.449	8.159	6.850	4.243
N	70	78	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	5.720	8.500	9.900	9.900	9.900	9.900	9.900	10.110	10.110	10.270	10.270	11.630	13.050
NORMALIZED MAX	4.425	5.084	5.476	5.265	5.174	5.168	5.173	5.195	4.826	4.594	4.215	4.111	3.264
CALC. COEF. VAR	.785	.893	.923	.918	.905	.895	.872	.857	.844	.838	.796	.733	.572
REON. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506

MEAN/A	.2808	.3369	.3591	.3726	.3825	.3866	.3946	.4073	.4377	.4653	.5181	.6362	1.0000
RP10/A	.5211	.6557	.7086	.7375	.7613	.7693	.7820	.7991	.8548	.8970	.9704	.1.766	1.6765
RP25/A	.6719	.8675	.9343	.9731	1.0060	1.0166	1.0395	1.0596	1.1165	1.1679	1.2300	1.5060	2.0453
RP50/A	.8140	1.0260	1.1022	1.1480	1.1879	1.2004	1.2321	1.2524	1.3100	1.3682	1.4335	1.7481	2.3079
RP100/A	1.0940	1.3450	1.4520	1.5200	1.5725	1.5344	1.4474	1.4474	1.5682	1.6249	1.6249	1.6249	1.5618
RP1000/A	1.2519	1.7015	1.8200	1.8601	1.9593	1.8790	2.0450	2.0450	2.1232	2.2400	2.2753	2.3640	
RP10000/A	1.6040	2.2157	2.3502	2.4510	2.5408	2.5676	2.6779	2.7167	2.7343	2.8423	2.8413	3.5109	4.1295
RPMP/A	2.9930	3.9657	4.3187	4.5055	4.6747	4.7238	4.8047	4.8678	5.1450	5.3374	5.5931	6.7156	8.5900

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 0 LONE PINE 459 3661 36.600 118.061 14

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.92	1.05	1.14	1.16	1.18	1.22	1.23	1.28	1.39	1.46	1.52	2.02	3.43
5	1.50	1.92	2.11	2.16	2.20	2.26	2.29	2.38	2.53	2.61	2.77	3.43	5.19
10	2.04	2.56	2.80	2.87	2.94	3.04	3.07	3.17	3.33	3.42	3.55	4.41	6.33
20	2.49	3.19	3.46	3.56	3.63	3.70	3.84	3.96	4.11	4.20	4.49	5.34	7.39
25	2.63	3.39	3.65	3.78	3.88	4.02	4.08	4.21	4.35	4.45	4.52	5.64	7.71
40	2.92	3.81	4.14	4.24	4.36	4.51	4.60	4.73	4.86	4.97	5.01	6.26	7.87
50	3.05	4.01	4.36	4.46	4.58	4.74	4.84	4.98	5.11	5.22	5.24	6.55	8.70
100	3.49	4.42	5.01	5.18	5.28	5.46	5.59	5.65	5.85	5.97	6.04	7.44	9.68
200	3.92	5.24	5.97	5.91	5.78	5.69	5.51	5.31	5.51	5.62	5.63	6.32	10.59
1000	4.80	6.65	7.17	7.35	7.55	7.66	8.07	8.28	8.47	8.63	8.19	10.33	15.69
10000	6.27	8.66	9.29	9.53	9.81	10.15	10.52	10.79	10.66	10.84	10.39	13.15	15.58
PMP	11.70	15.49	17.07	17.51	18.94	18.67	19.50	19.33	20.05	20.35	20.44	25.15	32.40

MEAN	1.098	1.216	1.420	1.449	1.476	1.528	1.555	1.617	1.706	1.774	1.894	2.382	3.772
CLOCK HR.	1.140	1.070	1.040	1.020	1.010	1.010	1.030	1.080	1.080	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.642	1.330	1.403	1.275	1.569	1.644	1.636	1.849	1.586	1.650	1.499	1.424	.847
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.100

KURTOSIS	6.394	4.486	5.108	4.682	6.207	5.915	5.960	6.727	5.645	6.069	5.721	5.548	4.286
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1966	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.910	3.390	4.310	4.310	5.080	5.000	5.000	5.230	5.230	5.230	5.680	7.310	9.200
NORMALIZED MAX	2.783	2.460	3.057	3.037	3.451	3.222	3.320	3.142	2.981	3.191	3.127	3.305	3.027
CALC. COEF. VAR	.593	.640	.666	.650	.692	.705	.670	.711	.693	.686	.636	.626	.476
REON. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506

MEAN/A	.2911	.3490	.3765	.3842	.3914	.4051	.4111	.4268	.4523	.4705	.5021	.6317	1.0000
RP10/A	.5402	.6792	.7427	.7600	.7790	.8062	.8147	.8412	.8832	.9069	.9404	.1.1602	1.6765
RP25/A	.6966	.8987	.9793	1.0207	1.0293	1.0653	1.0299	1.1357	1.1357	1.1807	1.1998	1.4952	2.0453
RP50/A	.8122	1.0626	1.1555	1.1833	1.2155	1.2500	1.2835	1.3204	1.3833	1.3833	1.4703	1.7355	2.3079
RP100/A	.9262	1.2260	1.3393	1.3626	1.3937	1.4096	1.4294	1.5240	1.5240	1.5748	1.5748	1.8119	2.4108
RP1000/A	1.2779	1.4900	1.9000	2.0307	2.0736	2.1200	2.1646	2.2342	2.2342	2.3736	2.3736	3.0648	
RP10000/A	1.6630	2.2952	2.4435	2.5256	2.5829	2.6097	2.7097	2.8597	2.8597	2.9524	2.9524	3.4857	4.1295
RPMP/A	3.1030	4.1080	4.5270	4.8781	4.9503	5.0052	5.1239	5.3165	5.3963	5.4206	5.6674		

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 S08B 20	STATION NAME LONG VALLEY RES	ELEV 460	SEC 6800	TWP 37	RNG 579	LOT 118-71A	LATITUDE 37.579	LONGITUDE 118.71A	COUNTY CODE 26
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.83	2.19	2.39	2.50	2.54	2.61	2.70	2.81	3.15	3.46	4.05	5.15	9.07
5	3.14	4.01	4.43	4.64	4.74	4.88	5.06	5.21	5.71	6.19	6.93	8.74	13.74
10	4.07	5.34	5.88	6.17	6.32	6.50	6.78	6.95	7.52	8.11	8.89	11.23	16.75
20	4.96	6.64	7.30	7.67	7.85	8.09	8.47	8.67	9.27	9.97	10.76	13.62	19.54
25	5.24	7.06	7.76	8.14	8.35	8.59	9.01	9.22	9.82	10.56	11.34	14.38	20.41
40	5.83	7.98	8.70	9.21	9.63	9.95	10.4	10.7	10.96	11.26	12.56	15.8	26.83
50	6.11	8.38	9.15	9.61	9.86	10.2	10.58	10.91	11.52	12.07	13.13	16.49	23.03
100	6.71	9.53	10.53	11.06	11.35	11.69	12.34	12.59	13.20	14.16	14.89	18.96	25.56
200	7.82	10.91	11.99	12.50	12.84	13.21	13.99	14.27	14.87	15.93	16.61	21.20	28.03
1000	9.77	13.85	15.05	15.81	16.28	16.73	17.80	18.13	18.68	19.93	20.54	26.32	33.57
10000	12.51	18.03	19.51	20.51	21.09	21.70	23.21	23.63	24.05	25.71	26.03	31.51	41.20
PMP	23.35	32.28	35.85	37.69	38.80	39.93	41.64	42.34	45.25	48.27	51.24	64.11	85.71
MEAN	2.190	2.742	2.981	3.119	3.175	3.268	3.420	3.543	3.850	4.209	4.747	6.073	9.978
CLOCK HR, COR.	1.149	1.070	1.140	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.827	1.221	1.326	1.178	1.134	1.067	1.135	1.121	1.132	1.132	1.132	1.1378	
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.400	1.400	1.400	1.100
SKW USED	1.600	1.800	1.700	1.700	1.700	1.800	1.800	1.800	1.600	1.400	1.400	1.400	1.100
KURTOSIS	2.860	3.945	4.267	3.659	3.497	3.305	3.442	3.368	3.595	3.574	3.308	5.268	5.676
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1945	1956	1956	1956	1956	1956	1956	1956	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.400	7.100	8.540	8.760	8.830	9.010	9.170	9.235	10.120	11.160	11.630	17.470	25.200
NORMALIZED MAX	1.852	2.415	2.622	2.528	2.510	2.484	2.337	2.296	2.482	2.642	2.526	3.164	3.237
CALC. COEF., VAR	.545	.667	.711	.715	.710	.708	.719	.699	.656	.625	.574	.593	.471
REGN. COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2195	.2748	.2988	.3126	.3182	.3275	.3428	.3551	.3859	.4216	.4757	.6087	1.0000
RP10/A	.4074	.5348	.5618	.6333	.6517	.6793	.6966	.7536	.8133	.8910	1.1257	1.6785	
RP20/A	.5253	.7076	.7772	.8462	.8612	.8812	.8956	.9326	.9731	.9931	1.0426	1.2535	
RP50/A	.6125	.8047	.8928	.9881	1.0000	1.0702	1.0934	1.1550	1.2402	1.2162	1.2723	2.3079	
RP100/A	.6400	.9453	1.0582	1.1083	1.1380	1.1712	1.2365	1.2421	1.3233	1.4193	1.4920	1.9000	2.5618
RP1000/A	.9788	1.3861	1.5081	1.5848	1.6289	1.6764	1.7836	1.8174	2.0030	2.0586	2.6379	3.3648	
RP10000/A	1.2541	1.8073	1.9552	2.0550	2.1134	2.1751	2.3261	2.3868	2.4107	2.5763	2.6089	3.5884	4.1295
PMP/A	2.3401	3.2347	3.5928	3.7778	3.8883	4.0017	4.1735	4.2430	4.5361	4.8380	5.1356	6.4247	8.5900

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 S264 1	STATION NAME MAMMOTH	ELEV 461	SEC 8930	TWP 461	RNG 37	LOT 599	LATITUDE 37.599	LONGITUDE 118.999	COUNTY CODE 26
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.24	2.97	3.28	3.48	3.59	3.85	4.21	4.63	5.28	5.84	6.47	11.63	26.36
5	3.84	5.46	6.06	6.45	6.70	7.20	7.68	8.56	9.58	10.45	14.50	19.77	39.93
10	4.97	7.25	8.05	8.58	8.93	9.59	10.55	11.43	12.60	13.69	16.60	25.40	48.67
20	6.06	9.02	9.99	10.66	11.10	11.93	13.19	14.25	15.53	16.63	22.50	30.80	56.8
25	6.41	9.50	10.61	11.32	11.60	12.67	14.03	15.15	16.46	17.67	23.20	32.11	50.30
40	7.13	10.76	11.91	12.71	13.25	14.23	15.7	17.1	18.5	19.91	20.89	27.28	40.54
50	7.47	10.97	12.35	13.53	14.06	15.3	16.8	18.2	19.7	20.89	21.78	27.73	46.92
90	9.56	13.08	14.15	15.38	16.04	17.23	19.21	20.71	22.12	23.90	31.14	42.67	74.28
200	9.56	14.81	16.28	17.39	18.14	19.74	21.78	23.66	24.91	26.89	34.75	47.94	81.45
1000	11.94	18.81	20.59	22.00	22.96	24.67	27.71	29.82	31.30	33.73	42.97	59.52	75.56
10000	15.30	24.49	26.89	28.52	29.79	32.01	36.14	38.86	40.31	43.39	54.46	75.78	119.74
PHP	28.55	43.83	49.05	62.43	54.81	58.89	64.85	69.62	75.84	81.68	107.20	144.90	249.07
MEAN	2.678	3.724	4.079	4.339	4.486	4.819	5.326	5.826	6.452	7.104	9.931	13.734	28.995
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.002	2.563	2.448	2.483	2.335	2.415	2.497	2.343	2.277	1.963	1.339	1.246	.687
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.400	1.400	1.400	1.100
SKW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.400	1.400	1.400	1.100
KURTOSIS	7.110	10.935	10.321	10.425	9.360	9.750	10.925	9.311	8.926	7.871	4.613	4.610	2.597
N	19	17	17	17	16	16	16	16	16	16	19	19	24
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1969
RECORD MAXIMUM	6.600	11.600	13.100	14.100	14.400	15.350	16.500	16.500	17.200	17.200	21.200	21.200	44.00
NORMALIZED MAX	2.392	3.028	3.110	3.206	3.084	3.117	3.233	3.111	3.081	2.981	2.814	2.599	2.147
CALC. COEF., VAR	.612	.699	.711	.702	.717	.701	.649	.699	.741	.777	.457	.394	.248
REGN. COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.0924	.1284	.1407	.1496	.1547	.1662	.1837	.2009	.2225	.2450	.3425	.4737	1.0000
RP10/A	.1714	.2499	.2776	.296	.3079	.3309	.3640	.3942	.4345	.4723	.6164	.8759	1.6785
RP25/A	.2210	.3307	.3660	.3905	.4307	.4716	.5176	.576	.612	.6813	1.1211	2.0453	
RP50/A	.2577	.3411	.4317	.489	.4604	.481	.5735	.6188	.6660	.7203	.9476	1.3013	2.3079
RP100/A	.2849	.4511	.4849	.505	.5533	.5944	.6626	.7142	.7630	.8244	1.0741	1.4785	2.5616
RP1000/A	.4118	.6408	.7101	.7568	.7920	.8508	.9558	.1.0285	.1.0794	.1.1635	1.4922	2.0257	3.3646
RP10000/A	.5276	.8445	.9206	.9837	.1.0275	.1.038	.1.2465	.1.3401	.1.3901	.1.4965	1.6782	2.6134	4.1295
PMP/A	.9845	1.5115	1.6917	1.8083	1.8905	2.0303	2.2365	2.4012	2.6136	2.8101	3.6971	4.9994	8.5900

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB W03 6254 0 NORTH MAIWE RES 466 3768 04 205 37E M 36.228 117.969 26

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	60D
2	1.27	1.39	1.90	1.53	1.55	1.60	1.62	1.72	1.86	1.97	2.21	2.92	4.65
5	2.18	2.55	2.77	2.83	2.69	2.99	3.04	3.19	3.42	3.53	3.79	4.06	7.38
10	2.82	3.40	3.68	3.76	3.83	3.89	4.07	4.25	4.50	4.63	4.86	5.35	8.96
20	3.44	4.23	4.57	4.67	4.79	4.96	5.08	5.36	5.53	5.69	5.88	7.72	10.46
25	3.63	4.50	4.88	4.96	5.09	5.27	5.41	5.64	5.86	6.02	6.20	8.15	10.92
40	4.05	5.06	5.45	5.57	5.71	5.92	6.09	6.34	6.57	6.73	6.96	9.04	11.15
50	4.24	5.27	5.71	5.81	6.01	6.22	6.41	6.68	6.90	7.05	7.24	8.35	12.25
100	4.53	6.14	6.59	6.74	6.92	7.07	7.21	7.41	7.60	7.81	8.13	10.4	13.66
200	5.42	6.95	7.45	7.62	7.83	8.10	8.39	8.73	9.00	9.48	9.67	11.01	17.00
1000	6.77	8.83	9.42	9.64	9.91	10.26	10.68	11.10	11.16	11.40	11.22	14.91	17.97
10000	8.66	11.49	12.22	12.50	12.85	13.31	13.93	14.46	14.39	14.66	14.22	18.99	22.05
PPM	16.19	20.57	22.45	22.99	23.65	24.48	24.99	25.91	27.08	27.53	27.99	36.33	45.87

MEAN	1.519	1.748	1.867	1.902	1.935	2.004	2.052	2.168	2.304	2.400	2.593	3.442	5.340
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.065	2.063	1.718	1.833	1.794	1.702	1.804	1.690	1.412	1.447	1.155	1.318	1.067
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100	
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100	

KURTOSIS	8.513	8.426	6.553	7.180	7.000	6.271	6.597	6.042	4.982	5.112	4.997	5.039	4.667
N	40	39	40	39	40	40	40	40	40	40	40	40	40
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
RECORD MAXIMUM	4,150	5,710	5,850	6,450	6,600	6,600	6,600	6,722	7,620	7,060	7,220	10,530	13,050
NORMALIZED MAX	2,917	3,497	3,228	3,546	3,587	3,370	3,171	3,111	2,920	3,010	2,833	3,338	2,847
CALC. COEF. VAR	.594	.646	.661	.674	.672	.681	.699	.675	.656	.645	.630	.617	.507
REON. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506

MEAN/A	.2845	.3273	.3497	.3562	.3624	.3752	.3844	.4060	.4315	.4495	.4856	.6445	1.0000
RP10/A	.5280	.6370	.6699	.7047	.7213	.7468	.7616	.7966	.8427	.8664	.9095	.9191	1.6785
RP25/A	.6808	.8426	.8996	.9298	.9531	.9868	.1014	1.0561	1.1097	1.1281	1.1603	1.5256	2.0453
RP50/A	.7938	.9590	1.0731	1.0972	1.1255	1.2000	1.2503	1.2915	1.3216	1.3436	1.3778	2.3079	
RP100/A	.9025	1.1497	1.2591	1.2820	1.3120	1.3999	1.4620	1.5209	1.5811	1.6345	1.6733	2.5058	
RP1000/A	1.2603	1.6532	1.8059	1.8553	1.9248	1.9989	2.0743	2.1093	1.5120	1.5645	1.6162	2.6448	
RP10000/A	1.6253	2.1525	2.2862	2.3418	2.4072	2.4923	2.6082	2.7080	2.6956	2.7455	2.6631	3.5566	4.1295
PPM/A	1.0327	3.8524	4.2048	4.3049	4.4288	4.5854	4.6795	4.8521	5.0723	5.1555	5.2423	6.8031	8.5900

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB W03 7510 0 ROCK CREEK 469 9700 01 065 29E M 37.450 118.733 26

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS												
	10	20	30	40	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.60	2.01	2.37	2.51	2.67	2.88	3.10	3.03	3.21	3.78	4.78	6.71	15.29
5	2.75	4.38	4.45	4.48	5.39	5.00	5.61	6.36	6.76	8.19	11.11	23.17	
10	3.56	4.91	5.82	6.19	6.63	7.18	7.77	7.49	8.37	8.85	10.50	14.65	20.24
20	4.34	6.11	7.23	7.69	8.25	8.93	9.71	9.33	10.32	10.88	12.70	17.77	32.94
25	4.59	6.49	7.68	8.16	8.77	9.49	10.32	9.93	10.94	11.52	13.39	18.75	34.40
40	5.11	7.36	8.61	9.16	9.84	10.66	11.63	11.11	12.23	12.87	14.83	20.85	35.12
50	5.35	7.68	9.00	9.63	10.35	11.21	12.24	11.75	12.83	13.50	15.51	21.77	38.82
100	6.10	8.66	10.72	11.09	12.03	12.91	14.11	13.58	14.65	15.95	17.65	24.63	43.09
200	6.85	10.93	11.76	12.53	13.48	14.59	15.97	15.57	16.56	17.39	19.62	26.34	56.60
1000	8.55	12.73	14.90	15.86	17.06	18.47	20.40	19.53	20.80	21.80	24.26		
10000	10.96	16.58	19.31	20.56	22.14	23.97	26.69	25.45	26.79	28.04	30.74	43.72	59.47
PPM	20.45	29.67	35.48	37.80	40.73	44.10	47.73	45.60	50.40	52.66	60.51	83.63	144.50

MEAN	1.918	2.521	2.951	3.128	3.333	3.609	3.720	3.816	4.288	4.591	5.605	7.923	16.822
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.894	1.481	1.323	1.302	1.062	.939	.953	1.291	1.084	1.107	.890	1.146	.877
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100	
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100	

KURTOSIS	6.761	4.784	4.351	4.215	3.313	3.051	2.982	4.403	3.426	3.492	3.175	4.219	4.159
N	23	23	23	23	22	21	21	21	20	20	22	23	24
RECORD MAXIMUM	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1969
NORMALIZED MAX	5,400	7,000	8,250	8,650	8,800	9,250	9,700	10,200	10,400	10,600	12,200	17,700	30,600
CALC. COEF. VAR	.702	.715	.709	.706	.712	.691	.669	.646	.670	.610	.529	.474	.300
REON. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506

MEAN/A	.1140	.1499	.1754	.1859	.1982	.2145	.2331	.2260	.2549	.2729	.3332	.4710	1.0000
RP10/A	.2116	.2916	.3461	.3678	.3944	.4269	.4616	.4490	.4978	.5261	.6241	.8710	1.6785
RP25/A	.2729	.3859	.4563	.4853	.5211	.5641	.6139	.5900	.6502	.6850	.7962	.1148	2.0453
RP50/A	.3182	.4564	.5393	.5727	.6134	.6562	.7276	.6985	.7629	.8024	.9229	.1294	2.3079
RP100/A	.3624	.5204	.6161	.6592	.7047	.7672	.8407	.8034	.8741	.9120	.1040	.1470	2.5058
RP1000/A	.5054	.7570	.8745	.9145	.9711	.1045	.1145	.1045	.1291	.1361	.1464	.1648	
RP10000/A	.6514	.9856	1.1479	1.2224	1.3162	1.42408	1.5815	1.5129	1.5924	1.6190	1.6274	2.5900	4.1295
PPM/A	1.2156	1.7639	2.1094	2.2471	2.2474	2.6214	2.8375	2.7107	2.9964	3.1304	3.5972	4.9714	6.5900

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB WOS 8633 0 WHITE MTN 2 152 12470 20 045 34E M 37.583 118.233 26

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.87	2.48	2.81	2.96	3.03	3.13	3.20	3.46	3.94	4.41	5.02	7.32	17.42
5	3.21	4.54	5.20	5.48	5.67	5.85	5.98	6.29	7.16	7.89	8.50	12.44	26.38
10	4.15	6.05	6.91	7.29	7.55	7.80	8.02	8.40	9.42	10.34	11.03	15.97	32.16
20	5.05	7.53	8.58	9.05	9.40	9.70	10.02	10.44	11.60	12.71	13.35	19.37	37.52
25	5.35	8.00	9.11	9.62	9.98	10.31	10.65	11.14	12.30	13.47	14.08	20.44	39.19
40	5.95	8.99	10.22	10.60	11.21	11.71	11.99	12.53	13.75	15.04	15.59	22.68	40.00
50	6.24	9.46	10.75	11.35	11.79	12.17	12.63	13.19	14.43	15.78	16.30	23.73	44.22
100	7.11	10.63	11.77	12.37	12.86	13.41	13.59	14.19	15.58	16.81	17.45	24.96	46.09
200	7.98	12.36	13.98	14.78	15.35	15.85	16.54	17.24	18.62	20.31	20.62	30.15	53.82
1000	9.97	15.49	17.68	18.69	19.43	20.06	21.05	21.92	23.39	25.48	25.50	37.43	64.47
10000	12.77	20.43	22.92	24.24	25.21	26.03	27.45	28.56	30.12	32.77	32.31	47.66	79.12
PMP	23.02	36.57	42.11	44.56	46.39	47.89	49.25	51.17	56.68	61.54	63.60	91.16	164.58

MEAN	2.235	3.107	3.502	3.687	3.796	3.919	4.045	4.282	4.822	5.366	5.892	8.637	19.159
CLOCK HRS COR.	1.140	1.070	1.049	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	4.088	4.187	4.096	4.014	3.912	3.875	3.823	3.731	3.620	3.501	3.422	3.822	2.409
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700

KURTOSIS	20.106	20.724	20.127	19.67	19.670	18.89	18.596	18.151	17.592	16.960	16.361	13.630	11.199
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	10.120	17.480	19.550	19.550	19.550	19.550	19.550	19.550	21.850	21.850	32.580	51.920	
NORMALIZED MAX	3.564	3.838	3.942	4.011	4.028	4.017	4.052	4.026	3.994	3.956	3.921	3.739	3.544
CALC. COEF., VAR	1.007	1.205	1.162	1.072	1.030	.993	.946	.886	.837	.777	.691	.472	.482
REGN. COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF., VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506

MEAN/A	.1197	.1622	.1928	.1925	.1981	.2045	.2111	.2235	.2517	.2801	.3075	.4100	
RP10/A	.2165	.3156	.3607	.3807	.3943	.4071	.4184	.4385	.4915	.5398	.5760	.8336	.6785
RP25/A	.2791	.4176	.4755	.5023	.5210	.5379	.5561	.5813	.6419	.7029	.7348	.10670	.20453
RP50/A	.3255	.4939	.5610	.5928	.6153	.6352	.6592	.6882	.7532	.8234	.8509	.12385	.23079
RP100/A	.3712	.5854	.6456	.6923	.7088	.7315	.7615	.8044	.8874	.9407	.9549	.10307	.17568
RP1000/A	.5261	.8192	.9702	.9710	1.0143	1.0101	1.0355	1.0440	1.0808	1.1269	1.1307	1.15530	.23648
RP10000/A	.6964	1.0686	1.1962	1.2525	2.4212	2.4995	2.5705	2.6708	2.9582	3.1706	.6865	4.874	.43244
PMP/A	1.2435	1.7689	1.981	2.025	2.4255	2.4966	2.5705	2.6708	2.9582	3.2122	3.3198	4.7580	.8590

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB WOS 2331 0 DEEP SPRINGS COLLEGE 47 4975 01 075 36E M 37.367 117.963 14

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.04	1.17	1.24	1.30	1.31	1.43	1.53	1.61	1.69	1.78	1.97	2.44	4.88	
5	1.57	1.83	1.94	2.02	2.04	2.12	2.21	2.30	2.42	2.52	2.74	2.99	7.20	
10	1.92	2.27	2.40	2.49	2.51	2.67	2.72	2.92	3.07	3.20	3.34	3.61	8.77	8.80
20	2.24	2.68	2.83	2.92	2.94	3.15	3.42	3.59	3.73	3.89	4.17	5.61	10.17	
25	2.34	2.81	2.97	3.05	3.08	3.29	3.57	3.75	3.89	4.06	4.34	5.88	10.60	
40	2.55	3.07	3.25	3.12	3.15	3.58	3.68	4.05	4.22	4.40	4.69	6.01	11.46	
50	2.65	3.20	3.38	3.46	3.49	3.71	4.03	4.24	4.38	4.56	4.85	6.37	11.86	
100	3.05	3.70	3.91	3.89	3.89	4.27	4.47	4.64	4.84	5.04	5.34	7.44	13.07	
200	3.23	3.96	4.16	4.25	4.27	4.52	4.90	5.15	5.29	5.51	5.81	8.19	14.24	
1000	3.89	4.81	5.04	5.09	5.14	5.39	5.86	6.17	6.30	6.55	6.85	9.87	16.85	
10000	4.79	6.00	6.25	6.27	6.34	6.60	7.18	7.59	7.66	7.95	8.26	12.18	20.39	
PMP	9.67	11.88	12.78	13.15	13.31	14.23	15.53	16.36	17.07	17.71	18.85	25.68	44.80	

MEAN/A	1.154	1.223	1.284	1.328	1.448	1.569	1.684	1.766	1.862	1.933	2.117	2.714	5.268
CLOCK HRS COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.958	.768	.714	.603	.608	.822	.891	.771	.737	.620	1.461	.896	.940
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	3.857	3.676	3.235	4.310	4.260	3.468	3.249	2.961	2.843	2.671	2.501	3.373	2.503
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969
RECORD MAXIMUM	2.510	3.020	3.020	3.610	3.670	3.670	3.670	3.670	3.690	3.690	3.600	4.200	6.640
NORMALIZED MAX	2.110	2.374	2.250	2.737	2.738	2.479	2.132	2.029	1.879	1.830	1.929	2.499	2.052
CALC. COEF., VAR	.557	.540	.526	.552	.561	.540	.553	.534	.534	.527	.510	.579	.471
REGN. COEF., VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.551	.544	.527	.501
USED COEF., VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.551	.544	.527	.501

MEAN/A	.2191	.2512	.2626	.2730	.2740	.2976	.3196	.3352	.3496	.3670	.4019	.5152	1.0000
RP10/A	.3635	.4301	.4559	.4714	.4760	.5125	.5544	.5927	.6076	.6343	.6890	.9049	1.6708
RP25/A	.4441	.5326	.5633	.5792	.5848	.6250	.6774	.7124	.7385	.7700	.8241	1.1155	2.0113
RP50/A	.5021	.6074	.6413	.6562	.6627	.7065	.7649	.8047	.8309	.8658	.9215	1.2663	2.2516
RP100/A	.5585	.6802	.7306	.7396	.7300	.7491	.8049	.8491	.8957	.9579	.9821	1.2460	2.4800
RP1000/A	.7300	.8599	.9049	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	1.0394	2.1984
RP10000/A	1.912	1.1283	1.1872	1.1898	1.2029	1.2509	1.3030	1.4253	1.4533	1.5108	1.5671	2.3124	3.8702
PMP/A	1.8357	2.4255	2.4255	2.4966	2.5256	2.7007	2.9470						

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 0 DEATH VALLEY 37 -194 16 27N 01E J S 36+467 116+867 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.53	.56	.56	.60	.62	.66	.70	.72	.77	.79	.86	.97	1.67
5	.79	.91	.91	.94	.97	1.02	1.09	1.13	1.20	1.22	1.31	1.53	2.49
10	.97	1.13	1.13	1.15	1.19	1.24	1.28	1.36	1.46	1.50	1.68	1.94	3.11
20	1.13	1.32	1.33	1.35	1.40	1.45	1.56	1.62	1.70	1.73	1.83	2.23	4.48
25	1.18	1.39	1.39	1.41	1.46	1.51	1.63	1.69	1.77	1.80	1.91	2.34	3.62
40	1.29	1.52	1.52	1.44	1.49	1.65	1.78	1.84	1.93	1.95	2.06	2.39	3.92
50	1.34	1.58	1.59	1.60	1.64	1.71	1.84	1.91	2.00	2.03	2.13	2.65	4.05
100	1.49	1.77	1.77	1.78	1.85	1.90	2.05	2.12	2.21	2.24	2.34	2.96	4.47
1000	1.96	2.34	2.35	2.36	2.63	2.69	2.76	2.79	2.85	2.87	2.95	3.25	4.77
10000	2.97	2.38	2.37	2.36	2.44	2.49	2.56	2.61	2.67	2.71	2.81	3.25	5.76
100000	2.43	2.96	2.94	2.90	3.01	3.03	3.29	3.40	3.49	3.54	4.62	4.84	6.97
PMP	4.90	5.87	6.00	6.09	6.32	6.55	7.10	7.36	7.78	7.87	8.27	10.20	15.33
MEAN	.654	.654	.650	.666	.688	.722	.770	.795	.840	.859	.929	1.079	1.800
CLOCK HR.	1.410	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.246	.312	.312	.310	.310	.312	.312	.312	.313	.313	.316	.336	.325
REGIONAL SKW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	2,377	3,186	3,321	3,224	3,272	3,293	6,154	4,958	3,952	3,525	4,104	4,576	3,183
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955
RECORD MAXIMUM	900	1,140	1,140	1,140	1,170	1,340	1,860	1,666	1,870	1,870	2,120	2,420	3,530
NORMALIZED MAX	1,417	1,947	2,020	1,985	1,928	2,193	3,125	2,894	2,682	2,565	2,758	2,856	2,323
CALC. COEF. VAR	.381	.382	.374	.359	.364	.391	.453	.463	.457	.459	.465	.435	.414
REON. COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
MEAN/A	.3249	.3630	.3608	.3699	.3819	.4009	.4279	.4413	.4666	.4770	.5161	.5992	1.0000
RP10/A	.5305	.6263	.6392	.6616	.6899	.7422	.7673	.8108	.8244	.8796	.9195	.9523	1.6708
RP25/A	.6578	.7702	.7743	.7848	.8127	.8414	.9069	.9381	.9855	1.0007	1.0582	1.2972	2.0113
RP50/A	.7438	.8780	.8810	.8861	.9210	.9491	1.0240	1.0595	1.1088	1.1252	1.1832	1.4726	2.2516
RP100/A	.8273	.9832	.9846	.9869	1.0259	1.0527	1.1367	1.1765	1.2166	1.2443	1.3024	1.6422	2.4816
RP1000/A	1.0932	1.3201	1.3145	1.3086	1.3565	1.3781	1.4904	1.5432	1.5946	1.6156	1.6705	2.1785	3.1984
RP10000/A	1.3483	1.8454	1.6309	1.6122	1.6717	1.8856	1.8248	1.8899	1.9393	1.9659	2.0123	2.6892	3.8702
PMP/A	2.7194	2.5299	3.3319	3.3822	3.4100	3.8339	3.9453	4.0890	4.3222	4.3691	4.3987	5.6481	6.5150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 0 TRONA 140 1695 295 43E M 35.783 117.383 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.03	1.09	1.16	1.24	1.25	1.31	1.33	1.38	1.50	1.56	1.77	2.19	3.62
5	1.07	1.82	1.92	1.96	2.02	2.14	2.24	2.46	2.60	2.69	3.44	5.42	8.54
10	1.71	2.10	2.26	2.27	2.41	2.47	2.54	2.66	2.83	2.92	3.25	4.27	7.54
20	2.00	2.49	2.66	2.78	2.83	2.86	2.97	3.09	3.30	3.40	3.75	5.03	7.56
25	2.09	2.61	2.76	2.91	2.96	3.01	3.10	3.23	3.45	3.55	3.91	5.27	7.67
40	2.28	2.85	3.05	2.97	3.02	3.27	3.38	3.52	3.74	3.85	4.22	5.38	6.52
50	2.36	2.97	3.17	3.30	3.35	3.46	3.50	3.65	3.88	3.99	4.41	4.91	6.82
100	2.63	3.33	3.55	3.67	3.73	3.77	3.89	4.05	4.26	4.41	4.91	6.67	9.72
200	2.97	3.67	3.89	4.04	4.10	4.15	4.26	4.44	4.64	4.80	5.23	7.64	10.93
500	3.46	4.46	4.73	4.94	4.66	4.83	5.10	5.32	5.57	5.73	6.17	8.86	15.52
1000	4.29	5.57	5.87	5.98	6.09	6.03	6.24	6.51	6.78	6.96	7.43	10.42	15.15
PMP	6.64	11.03	12.00	12.55	12.78	13.01	13.50	14.00	15.11	15.50	16.08	23.02	33.34
MEAN	1.032	1.220	1.299	1.372	1.390	1.436	1.464	1.521	1.631	1.692	1.905	2.434	3.915
CLOCK HR.	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.555	.705	.578	.542	.493	.458	.384	.361	.394	.404	.454	.695	.856
REGIONAL SKW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	3.476	3.183	2.748	2.638	2.574	2.528	2.360	2.336	2.571	2.619	3.152	3.187	6.239
N	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
RECORD YEAR	1969	1943	1943	1943	1943	1943	1943	1943	1938	1938	1938	1941	1941
RECORD MAXIMUM	1,990	2,620	2,700	2,750	2,790	2,790	2,790	3,450	3,600	4,270	5,630	11,470	
NORMALIZED MAX	2,073	2,453	2,266	2,076	2,130	2,001	1,952	1,766	2,304	2,392	2,654	2,653	3,563
CALC. COEF. VAR	.446	.462	.476	.487	.473	.472	.464	.473	.484	.472	.468	.495	.539
REON. COEF. VAR	.492	.532	.549	.543	.546	.546	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
MEAN/A	.2635	.3130	.3319	.3504	.3551	.3664	.3740	.3884	.4166	.4321	.4865	.6216	1.0000
RP10/A	.4373	.5370	.5746	.6152	.6307	.6686	.6753	.7240	.7468	.8291	.9197	1.0197	1.6708
RP25/A	.5341	.6654	.7122	.7435	.7597	.7691	.7928	.8256	.8800	.9066	.9975	1.3458	2.0113
RP50/A	.6039	.7585	.8104	.8423	.8564	.8676	.8951	.9324	.9901	.10193	.11154	1.5277	2.2516
RP100/A	.8178	.8494	.9027	.9307	.9557	.9623	.9936	1.031	1.095	1.1273	1.2271	1.7037	2.4616
RP1000/A	.8819	1.1469	1.2691	1.3275	1.4024	1.4540	1.5098	1.5581	1.6633	1.7318	1.7888	2.0960	3.4364
RP10000/A	1.0948	1.4215	1.8205	1.8273	1.8544	1.8548	1.8593	1.8681	1.8744	1.8747	1.8747	2.0702	
PMP/A	2.2000	2.8103	3.0048	3.2048	3.2638	3.3236	3.4407	3.5986	3.6600	3.9582	4.3322	5.0801	6.5150

PARENT TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
W24 3710 11 HAIWEE RESERVOIR ELEV SEC TWP RNN LOT BWM LATITUDE LONGITUDE COUNTY CODE  
457 3825 09 265 40E M 36.683 117.683 14

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.31	1.54	1.62	1.68	1.72	1.79	1.89	2.02	2.17	2.23	2.45	3.14	5.18
5	1.98	2.40	2.55	2.62	2.68	2.77	2.94	3.15	3.37	3.43	3.71	4.96	7.75
10	2.41	2.74	3.12	3.24	3.30	3.43	3.61	3.86	4.11	4.32	4.62	6.22	9.44
20	2.62	3.02	3.36	3.51	3.67	3.79	4.05	4.24	4.50	4.79	4.87	5.18	10.80
25	2.94	3.69	3.90	3.96	4.05	4.13	4.41	4.72	5.00	5.08	5.40	7.56	11.25
40	3.21	4.01	4.26	4.05	4.14	4.49	4.77	5.14	5.42	5.51	5.83	7.72	12.16
50	3.33	4.20	4.43	4.49	4.59	4.65	4.97	5.33	5.62	5.71	6.03	8.58	12.59
100	3.70	4.71	4.95	5.00	5.11	5.16	5.52	5.92	6.22	6.31	6.64	9.57	13.88
200	4.07	5.20	5.46	5.49	5.62	5.66	6.05	6.49	6.80	6.90	7.23	10.53	15.12
400	4.85	6.61	6.81	6.86	6.91	6.96	7.31	7.68	7.96	8.00	8.22	11.49	17.68
1000	6.03	7.87	8.21	8.14	8.33	8.27	8.86	9.51	9.83	9.96	10.26	15.67	21.64
10000	PMP	15.60	17.07	17.07	17.46	17.83	19.16	20.58	21.92	22.17	23.44	33.02	47.61

MEAN	1.452	1.737	1.815	1.867	1.902	1.966	2.079	2.221	2.365	2.420	2.632	3.490	5.592
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.156	1.453	1.562	1.341	1.450	1.271	1.119	.964	.831	.857	.754	.719	.848
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
REW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900	.900	.800	1.100	.900

KURTOSIS	10.084	9.673	6.294	5.580	6.441	5.881	4.915	3.792	3.164	3.277	3.370	2.888	3.493
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
RECORD MAXIMUM	3.194	4.090	4.200	4.920	5.360	5.360	5.360	5.360	5.380	5.380	5.940	7.590	13.290
NORMALIZED MAX	3.376	2.832	3.301	3.199	3.519	3.426	3.078	2.699	2.343	2.481	2.564	2.323	2.889
CALC. COEF. VAR	.463	.478	.518	.511	.516	.504	.513	.529	.539	.528	.490	.506	.476
REDN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501

MEAN/A	.2597	.3107	.3247	.3339	.3402	.3516	.3717	.3972	.4230	.4328	.4705	.6242	1.8000
RP10/A	.4309	.5320	.6536	.5770	.5893	.6051	.6446	.6905	.7351	.7461	.8221	1.0962	1.6708
RP25/A	.5264	.6592	.6988	.7083	.7240	.7379	.7678	.8042	.8495	.8981	.9650	1.3514	2.0113
RP50/A	.5592	.7515	.7928	.8024	.8204	.8320	.8095	.9035	.1.0053	.1.0210	.1.0791	1.5341	2.2516
RP100/A	.6620	.8414	.8860	.8934	.9136	.9232	.9874	.1.0587	.1.1123	.1.1292	.1.1877	1.7108	2.4816
RP1000/A	.8784	1.1298	1.1829	1.1811	1.2084	1.2084	1.2947	1.3888	1.4458	1.4660	1.5234	2.2694	3.1984
RP10000/A	1.0798	1.4082	1.4676	1.4551	1.4892	1.4784	1.5851	1.7069	1.7583	1.7819	1.8351	2.8015	3.8762
RP/M/A	2.1760	2.7900	2.9983	3.0392	3.1266	3.1888	3.4272	3.6800	3.9192	3.9647	4.1911	5.9048	8.1590

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
W24 4278 0 INYOKERN ELEV SEC TWP RNN LOT BWM LATITUDE LONGITUDE COUNTY CODE  
2440 30 265 39E M 35.650 117.817 15

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.77	.85	.90	.93	.94	.96	1.03	1.09	1.15	1.18	1.37	1.74	2.90
5	1.15	1.33	1.41	1.44	1.47	1.51	1.60	1.73	1.79	1.81	2.10	2.76	4.34
10	1.40	1.60	1.75	1.81	1.84	1.90	1.96	2.00	2.08	2.23	2.50	3.14	5.24
20	1.64	1.94	2.06	2.09	2.12	2.18	2.29	2.44	2.54	2.67	2.89	4.01	6.05
25	1.72	2.03	2.16	2.18	2.22	2.25	2.39	2.55	2.65	2.68	2.81	3.01	4.20
40	1.87	2.23	2.36	2.37	2.42	2.45	2.60	2.77	2.87	2.91	3.26	4.29	6.82
50	1.94	2.32	2.46	2.46	2.51	2.54	2.70	2.88	2.98	3.02	3.37	4.77	7.06
100	2.16	2.60	2.75	2.74	2.80	2.81	3.00	3.19	3.30	3.34	3.71	5.32	7.78
200	2.37	2.87	3.03	3.02	3.08	3.08	3.29	3.56	3.60	3.65	4.03	5.85	8.48
400	2.85	3.49	3.67	3.63	3.70	3.68	3.93	4.19	4.34	4.33	4.76	7.05	10.03
1000	3.52	4.54	4.55	4.50	4.58	4.51	4.81	5.13	5.21	5.21	5.73	8.07	12.13
10000	7.09	8.61	9.30	9.38	9.56	9.72	10.41	11.10	11.62	11.72	13.09	18.36	26.70

MEAN	.846	.958	1.007	1.025	1.042	1.072	1.129	1.199	1.254	1.260	1.470	1.940	3.135
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.270	.177	.255	.488	.370	.336	.291	.287	.357	.368	.415	.529	.280
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
REW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900	.900	.800	1.100	.900

KURTOSIS	3.103	2.833	2.827	3.212	2.900	2.876	2.365	2.354	2.346	2.356	2.139	3.079	2.327
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
RECORD MAXIMUM	1.000	1.020	1.050	1.080	2.000	2.130	2.390	2.470	2.470	2.490	4.400	5.790	
NORMALIZED MAX	1.000	1.020	1.050	1.080	2.000	2.130	2.390	2.470	2.470	2.490	4.400	5.790	
CALC. COEF. VAR	.396	.416	.4659	.7193	.7845	.7861	.8016	.8092	.8018	.9178	.9504	.9661	.9562
REDN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.551	.551	.566	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.551	.551	.564	.501

MEAN/A	.2699	.3657	.3213	.3270	.3324	.3418	.3601	.3823	.3999	.4081	.4687	.6189	1.0000
RP10/A	.4440	.8235	.5577	.5652	.5758	.5802	.6246	.6646	.6949	.7054	.7988	1.0870	1.6708
RP25/A	.5472	.6465	.6895	.6939	.7074	.7174	.7632	.8126	.8447	.8562	.9610	1.5212	2.0113
RP50/A	.6187	.7393	.7845	.7861	.8016	.8092	.8618	.9178	.9504	.9627	.1.0746	1.5212	2.2516
RP100/A	.6882	.8279	.8766	.8752	.8926	.8976	.9566	.1.0196	.1.0516	.1.0647	.1.1828	1.6964	2.0816
RP1000/A	.9094	1.1116	1.1706	1.1570	1.1807	1.1750	1.2543	1.3367	1.3623	1.3623	1.5177	2.2500	3.1984
RP10000/A	1.2116	1.3085	1.4524	1.4253	1.4550	1.4571	1.5357	1.6871	1.6825	1.6825	1.8616	2.1739	3.0502
RP/M/A	2.2621	2.7451	2.9671	2.9908	3.0490	3.0499	3.3023	3.3419	3.7032	3.7032	3.84550	3.84550	8.9150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 74 2218 35.000 117.000 19  
W24 4280 0 INYOKERN ARM

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.86	.94	.96	1.01	1.02	1.05	1.06	1.12	1.21	1.24	1.41	1.76	2.81
5	1.29	1.47	1.51	1.57	1.60	1.63	1.65	1.75	1.87	1.91	2.13	2.78	4.20
10	1.57	1.82	1.87	1.93	1.97	1.99	2.03	2.15	2.28	2.32	2.56	3.43	5.07
20	1.84	2.15	2.21	2.27	2.31	2.32	2.37	2.51	2.66	2.70	2.96	4.04	5.86
25	1.93	2.29	2.33	2.37	2.44	2.47	2.54	2.62	2.77	2.82	3.11	4.23	6.10
50	2.17	2.57	2.63	2.69	2.74	2.76	2.80	2.96	3.12	3.17	3.47	4.80	6.63
100	2.42	2.68	2.94	3.00	3.05	3.01	3.10	3.29	3.45	3.51	3.62	5.36	7.53
200	2.65	3.18	3.24	3.29	3.35	3.33	3.40	3.61	3.77	3.83	4.15	5.90	8.20
1000	3.19	3.86	3.93	3.96	4.03	3.98	4.07	4.32	4.49	4.55	4.90	7.11	9.70
10000	3.94	4.61	4.87	4.68	4.97	4.86	4.98	5.29	5.45	5.53	5.90	8.77	11.74
PMP	7.94	9.54	9.96	10.24	10.43	10.49	10.78	11.64	12.16	12.31	13.47	16.49	25.82

MEAN	.946	1.062	1.078	1.119	1.135	1.157	1.169	1.234	1.312	1.344	1.812	1.955	3.032
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.086	1.011	.942	.902	1.123	1.056	.974	.879	.862	.831	.437	1.527	.953
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	9.591	4.662	3.893	3.454	4.180	4.034	3.770	3.339	3.517	3.348	2.413	6.251	3.746
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1966	1966	1966	1974	1974	1974	1974	1974	1974	1966	1966	1966
RECORD MAXIMUM	2.390	2.390	2.390	2.390	2.660	2.660	2.660	2.660	2.660	2.660	2.650	2.650	2.650
NORMALIZED MAX	2.874	2.612	2.582	2.297	2.593	2.561	2.540	2.265	2.341	2.282	1.186	3.186	2.633
CALC. COEF. VAR	.512	.479	.483	.494	.517	.507	.502	.510	.501	.491	.458	.584	.603
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.531	.523	.521	.527	.584	.581	.581
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.531	.521	.527	.527	.584	.581	.581

MEAN/A	.3125	.3503	.3555	.3691	.3745	.3815	.3895	.4070	.4328	.4433	.4987	.6446	1.0000
RP10/A	.5160	.5996	.6186	.6371	.6686	.6656	.6686	.7076	.7520	.7662	.8590	1.1321	.6798
RP25/A	.6504	.7492	.7624	.7831	.8051	.8031	.8051	.8471	.8912	.8952	.9321	1.2132	.7213
RP50/A	.7162	.8472	.8681	.8872	.9029	.9033	.9224	.9771	.1.0285	.1.0457	1.1435	1.5843	2.2514
RP100/A	.7967	.9487	.9702	.9877	.1.0055	1.0119	1.0239	1.0649	1.1380	1.1566	1.2586	1.7667	2.8016
RP1000/A	1.0527	1.2738	1.2952	1.3058	1.3340	1.3115	1.3426	1.4232	1.4792	1.5015	1.6143	2.3436	3.1984
RP10000/A	1.2983	1.5876	1.6070	1.6087	1.6390	1.6042	1.6488	1.7436	1.7969	1.8249	1.9446	2.8931	3.8702
PMP/A	2.6185	3.1456	3.2831	3.3755	3.4413	3.4602	3.5540	3.7711	4.0097	4.0007	4.4142	6.0979	8.5150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 457 3825 36.133 117.967 14  
W24 8379 29 SOUTH MAIWE RES

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.46	1.68	1.82	1.89	1.92	1.98	2.06	2.18	2.42	2.51	2.80	3.43	5.70
5	2.20	2.62	2.66	2.94	3.00	3.06	3.21	3.40	3.75	3.88	4.24	5.42	6.53
10	2.68	3.25	3.54	3.62	3.69	3.74	3.93	4.17	4.58	4.73	5.12	6.70	10.29
20	3.13	3.84	4.17	4.25	4.33	4.37	4.60	4.86	5.33	5.50	5.92	7.89	11.98
25	3.20	4.02	4.47	4.54	4.53	4.55	4.80	5.10	5.56	5.74	6.13	8.26	12.39
50	3.57	4.41	4.76	4.84	4.64	4.86	5.16	5.25	5.64	6.22	6.86	8.44	14.40
100	4.12	5.14	5.56	5.60	5.72	5.70	6.02	6.39	6.92	7.13	7.58	10.46	15.29
200	4.53	5.68	6.13	6.10	6.29	6.25	6.60	7.01	7.57	7.79	8.25	11.51	16.66
1000	5.44	6.90	7.42	7.40	7.56	7.47	7.89	8.38	9.00	9.26	9.72	13.67	19.70
10000	6.71	8.66	9.21	9.12	9.32	9.13	9.66	10.27	10.95	11.26	11.72	17.12	23.64
PMP	13.54	17.03	18.82	19.14	19.57	19.70	20.88	22.22	24.40	25.03	26.76	36.89	52.43

MEAN/A	1.616	1.897	2.037	2.093	2.130	2.172	2.266	2.398	2.633	2.735	3.005	3.815	6.160
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.704	1.536	1.591	1.435	1.551	1.466	1.361	1.272	.936	.930	.759	1.143	1.061
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	6.675	5.279	5.607	5.078	5.897	5.498	4.876	4.227	3.056	3.092	2.901	4.519	4.005
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1946	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1941
RECORD MAXIMUM	4.020	4.580	6.000	6.000	6.500	6.500	6.500	6.510	6.680	6.680	6.990	10.610	15.350
NORMALIZED MAX	2.898	2.511	3.113	3.052	3.366	3.296	3.090	2.748	2.488	2.401	2.348	3.209	2.981
CALC. COEF. VAR	.513	.563	.625	.612	.609	.605	.605	.624	.601	.597	.555	.504	.501
REGN. COEF. VAR	.492	.532	.549	.543	.546	.546	.546	.551	.544	.547	.544	.501	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.546	.546	.551	.544	.547	.544	.501	.501

MEAN/A	.2623	.3079	.3308	.3398	.3457	.3526	.3678	.3693	.4275	.4439	.4878	.6193	1.0000
RP10/A	.4353	.5273	.5748	.5671	.5588	.6069	.6360	.6768	.7424	.7747	.8313	1.0670	1.6700
RP25/A	.573	.653	.7062	.7028	.7357	.7171	.7258	.7275	.7934	.8134	.8714	1.0607	2.013
RP50/A	.6012	.7440	.8076	.8164	.8333	.8349	.8802	.8346	1.0159	1.0472	1.183	1.5222	1.9184
RP100/A	.6687	.8340	.8924	.8924	.9264	.9260	.9771	.1.0377	1.1241	1.1661	1.2309	1.6975	2.8116
RP1000/A	.6637	1.1198	1.2051	1.2019	1.2279	1.2122	1.2012	1.3613	1.4011	1.5030	1.5768	2.2510	3.1984
RP10000/A	1.0986	1.3957	1.4952	1.4600	1.5132	1.6027	1.5686	1.6671	1.7769	1.6275	1.9019	2.7796	3.6702
PMP/A	2.1980	2.7653	3.0453	3.1070	3.1772	3.1982	3.3914	3.6969	3.9007	4.0343	5.8590	6.5150	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
W25 7253 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
RANDSBURG	118	3522	35	295	40E	M	35°36'37"	117°45'00"	15	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.19	1.43	1.51	1.56	1.61	1.66	1.71	1.81	1.99	2.08	2.40	3.10	5.05	
5	1.80	2.22	2.36	2.43	2.51	2.60	2.82	3.09	3.21	3.64	4.89	7.55		
10	2.19	2.75	2.94	2.99	3.09	3.17	3.26	3.46	3.77	3.91	4.40	6.05	9.11	
20	2.56	3.26	3.47	3.51	3.63	3.71	3.81	4.05	4.33	4.55	5.08	7.13	10.53	
25	2.68	3.41	3.64	3.68	3.80	3.87	3.96	4.23	4.50	4.75	5.29	7.46	10.97	
40	2.91	3.74	3.98	3.75	3.86	4.21	4.34	4.60	4.97	5.15	5.72	7.62	11.86	
50	3.03	3.89	4.14	4.16	4.11	4.37	4.50	4.78	5.13	5.34	5.92	6.47	12.26	
100	3.37	4.36	4.42	4.44	4.40	4.59	4.69	4.90	5.20	5.40	6.02	7.44	13.52	
200	3.70	4.81	5.10	5.27	5.31	5.47	5.81	6.23	6.45	7.09	10.39	17.74		
1000	4.45	5.85	6.17	6.13	6.31	6.34	6.55	6.96	7.41	7.66	8.36	12.53	17.44	
10000	5.49	7.29	7.66	7.55	7.82	7.76	8.02	8.52	9.01	9.32	10.07	15.46	21.10	
PMP	11.06	14.44	15.64	15.85	16.42	16.73	17.33	18.43	20.08	20.73	22.99	32.59	46.43	
MEAN	1.320	1.608	1.694	1.732	1.766	1.805	1.880	1.989	2.167	2.263	2.582	3.445	5.453	
CLOCK HR COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.520	2.854	2.564	2.425	2.255	2.185	1.936	1.531	1.202	1.268	1.012	1.414	1.265	
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.800	1.100	.900	
SKEW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.800	1.100	.900	
KURTOSIS	5.809	14.414	12.681	12.014	10.870	10.101	8.851	6.669	4.546	4.170	3.446	4.593	4.269	
N	35	35	35	35	35	35	35	35	35	35	35	35	35	
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941	
RECORD MAXIMUM	2,950	5,650	5,720	5,720	5,770	5,770	5,770	5,770	5,800	5,800	5,800	9,160	13,830	
NORMALIZED MAX	2,539	4.096	4,106	4,157	4,095	4,017	3,914	3,607	3,100	2,890	2,432	2,797	2,884	
CALC. COEF. VAR	.466	.614	.579	.554	.538	.536	.529	.527	.541	.541	.512	.593	.533	
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501	
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.551	.551	.544	.527	.564	.501		
MEAN/A	.2421	.2950	.3107	.3177	.3276	.3383	.3448	.3649	.3975	.4150	.4735	.6318	1.0000	
RP10/A	.6018	.5051	.5393	.5490	.5674	.5822	.5981	.6343	.6908	.7173	.8070	.8707	1.1097	1.6708
RP25/A	.4908	.6259	.6667	.6740	.6971	.7101	.7307	.7755	.8398	.8707	.9769	1.3680	2.0113	
RP50/A	.5550	.7134	.7586	.7633	.7899	.8069	.8251	.8759	.9467	.9790	1.0857	1.6559	2.2516	
RP100/A	.6157	1.0726	1.1319	1.1239	1.1635	1.1630	1.2009	1.2758	1.5866	1.4057	1.5327	2.2973	3.1984	
RP1000/A	1.0606	1.3369	1.4064	1.3846	1.4339	1.4224	1.4703	1.5624	1.6523	1.7084	1.8664	2.8258	3.8702	
PMP/A	2.0289	2.6489	2.8691	2.9053	3.0106	3.0683	3.1790	3.3864	3.6829	3.8015	4.2169	5.9772	8.5150	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
W26 630 60

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
BELLEVUE-STRATHMAN-722C	2740	11	06N	13W	C	S	34°46'30"	118°23'11"	70	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.19	2.47	2.60	2.64	2.83	2.98	3.18	3.50	3.74	4.34	5.49	8.84
5	2.56	3.42	3.88	4.12	4.12	4.63	4.96	5.42	5.78	6.58	8.68	13.23	
10	3.12	4.23	4.80	4.98	5.07	5.35	5.68	6.02	6.62	7.04	7.94	10.74	15.95
20	3.65	5.00	5.60	5.05	5.95	6.24	6.64	7.12	7.71	8.19	9.18	12.64	18.44
25	3.81	5.24	5.93	6.12	6.22	6.52	6.94	7.44	8.05	8.54	9.56	13.24	19.21
40	4.15	5.74	6.49	6.25	6.36	7.09	7.55	8.09	8.73	9.27	10.23	13.53	20.77
50	4.31	5.98	6.65	6.59	7.05	7.36	7.84	8.36	9.05	9.56	10.49	13.33	20.57
100	4.80	7.59	7.54	7.46	7.81	8.16	8.40	9.38	10.02	10.62	11.76	16.76	23.70
200	5.27	7.39	8.32	8.48	8.64	8.94	9.54	10.20	10.95	11.61	12.80	18.44	25.82
1000	6.34	8.99	10.07	10.20	10.39	10.68	11.41	12.23	13.02	13.79	15.09	22.23	30.54
10000	7.02	11.20	12.49	12.57	12.60	13.06	13.97	14.93	15.84	16.76	18.18	27.44	36.96
PMP	15.77	22.19	25.52	26.38	28.88	28.18	30.19	32.41	35.30	37.30	41.51	57.84	81.31
MEAN	1.082	2.471	2.764	2.866	2.925	3.107	3.275	3.498	3.810	4.072	4.662	6.114	9.549
CLOCK HR COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.104	1.075	1.542	1.381	1.481	1.609	1.193	1.098	1.003	1.000	.753	.813	.914
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	.800	1.100	.900

KURTOSIS	4.398	7.742	5.156	4.536	4.077	4.320	3.948	3.267	3.244	3.281	2.770	2.602	3.129
N	25	24	24	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1943	1943	1943	1943	1944	1944	1943	1944	1944	1944	1944	1943	1952
RECORD MAXIMUM	6,130	7,720	7,720	7,720	6,200	6,200	6,200	6,200	6,200	9,870	10,460	13,440	21,190
NORMALIZED MAX	2,116	2,976	2,491	2,430	2,507	2,308	2,134	2,047	2,297	2,174	2,004	1,951	2,106
CALC. COEF. VAR	.565	.714	.720	.690	.694	.710	.705	.687	.675	.656	.597	.614	.557
REGN. COEF. VAR	.492	.532	.549	.543	.546	.536	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501

MEAN/A	.1971	.2588	.2894	.3021	.3063	.3253	.3429	.3683	.3989	.4264	.4882	.6403	1.0000
RP10/A	.3270	.4431	.5024	.5220	.5366	.5600	.5948	.6369	.6933	.7370	.8320	.9145	1.6708
RP25/A	.3995	.5490	.6211	.6409	.6519	.6829	.7266	.7798	.8426	.8947	1.0009	1.3662	2.0113
RP50/A	.4517	.6259	.7067	.7067	.7307	.7703	.8027	.8491	.9144	1.0057	1.2327	1.7337	2.4816
RP100/A	.5024	.7609	.8033	.8228	.8557	.9110	.9764	.10490	.11239	.12319	.17579	2.0816	
RP1000/A	.6188	1.1729	1.3093	1.1849	1.3408	1.3806	1.4024	1.5686	1.6583	1.7554	1.9034	2.8736	3.6702
PMP/A	1.6515	2.3239	2.6729	2.7624	2.8153	2.9509	3.1919	3.3939	3.6962	3.9660	4.3471	6.0569	0.5350

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB K26 2941 0 FAIRMONT RES 608 3090 11 07N 15W R S 34°70' 118°42' 70

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.44	3.81	4.11	4.31	4.53	4.80	4.94	5.50	5.97	6.63	8.68	13.75
5	4.08	5.35	5.98	6.40	6.73	6.97	7.47	7.70	8.62	9.21	10.36	13.72	20.56
10	4.97	6.63	7.40	7.88	8.28	8.52	9.18	9.44	10.52	11.23	16.97	24.82	
20	5.81	7.63	8.73	9.24	9.73	9.95	10.70	11.04	12.25	13.96	14.46	19.98	28.66
25	6.07	8.21	9.15	9.67	10.17	10.39	11.10	11.54	12.79	13.63	15.06	20.91	29.07
40	6.61	8.99	10.01	9.88	10.39	11.30	12.17	12.56	13.88	14.79	16.27	21.37	32.31
50	6.87	9.36	10.43	10.95	11.53	11.72	12.63	13.03	14.36	15.32	16.84	23.74	33.44
100	7.65	10.48	11.73	12.20	12.82	13.00	14.11	14.51	15.75	16.95	26.10	38.80	
200	8.39	11.58	12.83	13.31	14.11	14.82	15.36	15.87	17.40	18.51	20.14	31.14	49.18
1000	11.09	14.07	15.53	16.12	16.98	17.02	18.36	18.98	20.69	22.00	23.77	35.12	47.50
10000	12.45	17.54	19.27	19.86	20.73	20.81	22.50	23.25	25.16	26.74	28.63	43.38	57.48
PPM	25.10	34.76	39.37	41.08	43.94	44.09	48.64	50.30	56.08	59.50	65.40	91.38	126.47
MEAN	2.996	3.870	4.263	4.558	4.781	4.949	5.276	5.420	6.653	6.495	7.344	9.660	14.853
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.300	1.221	1.093	.855	.787	.852	.904	1.001	.844	.903	.706	1.338	.850
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	5.227	5.792	4.303	3.446	3.252	3.382	3.324	3.804	3.147	3.362	2.762	5.101	2.945
H	64	64	64	64	64	64	64	64	63	63	63	63	65
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1949	1949	1949	1969	1969	1949
RECORD MAXIMUM	7,600	11,100	12,000	12,000	12,140	12,680	13,540	13,920	14,340	17,030	17,090	29,060	32,920
NORMALIZED MAX	2,950	3,373	3,299	2,992	2,053	2,053	2,774	2,767	2,517	2,978	2,773	3,089	2,761
CALC. COEF. VAR	.521	.554	.556	.552	.539	.540	.565	.566	.544	.545	.518	.567	.441
REON. COEF. VAR	.492	.532	.549	.543	.546	.530	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
MEAN/A	.2017	.2400	.2870	.3069	.3219	.3332	.3552	.4075	.4373	.4944	.5101	1.0000	
RP10/A	.3347	.4462	.4982	.5303	.5576	.5735	.6010	.6355	.7082	.7569	.8427	1.1423	1.6708
RP25/A	.4068	.5529	.6159	.6511	.6850	.6976	.7526	.7770	.8608	.9178	1.0130	1.4081	2.0113
RP50/A	.4623	.6303	.7008	.7375	.7702	.7690	.8501	.8776	.9665	1.0316	1.1336	1.5983	2.2516
RP100/A	.5142	.7033	.7833	.8212	.8664	.8751	.9436	.9703	1.0716	1.1409	1.2447	1.7028	2.6181
RP1000/A	.6795	.9476	1.0451	1.0858	1.1433	1.1451	1.2372	1.2782	1.3297	1.3613	1.4004	2.0471	3.1464
RP10000/A	1.0800	1.5811	2.2974	2.3374	2.4049	2.4049	2.6025	2.6154	2.6964	2.7297	2.8191	3.0702	
PPM/A	1.6901	2.3401	2.4505	2.6002	2.9583	3.0265	3.2751	3.3068	3.3755	4.0059	4.4029	6.1527	8.9150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB K26 5756 0 MOJAVE 92 2735 35.080 116.167 15

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.07	1.23	1.33	1.38	1.44	1.50	1.61	1.70	1.87	2.12	2.80	4.38	
5	1.42	2.10	2.14	2.19	2.23	2.34	2.51	2.73	2.89	3.21	4.43	6.55	
10	1.97	2.37	2.59	2.64	2.70	2.72	2.87	3.08	3.34	3.52	3.00	5.46	7.90
20	2.30	2.80	3.00	3.10	3.17	3.18	3.35	3.60	3.88	4.09	4.48	6.46	9.13
25	2.41	2.94	3.21	3.24	3.32	3.32	3.50	3.70	4.05	4.27	4.67	6.76	9.51
40	2.62	3.22	3.51	3.31	3.39	3.61	3.61	4.09	4.63	5.04	6.91	10.20	
50	2.72	3.35	3.81	3.45	3.57	3.76	3.74	3.96	4.25	4.56	4.80	5.42	7.87
100	3.03	3.75	4.18	4.09	4.45	4.45	4.45	4.82	5.05	5.31	5.65	7.15	10.06
200	3.33	4.14	4.50	4.49	4.60	4.65	4.65	5.17	5.52	5.80	6.25	9.41	12.13
1000	4.00	5.03	5.45	5.40	5.54	5.44	5.76	6.19	6.36	6.69	7.38	11.35	15.12
10000	4.94	6.27	6.77	6.65	6.82	6.65	7.05	7.58	7.98	8.30	8.67	14.01	16.30
PPM	9.95	12.43	13.80	13.96	14.33	14.34	15.24	16.40	17.78	18.64	20.25	29.53	40.26
MEAN	1.108	1.304	1.495	1.525	1.559	1.581	1.653	1.770	1.919	2.035	2.275	3.121	4.726
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.030	1.073	1.239	1.121	.968	.940	.918	.888	.935	1.013	.915	1.761	1.011
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	3.921	3.908	4.515	4.200	3.632	3.560	3.307	3.241	3.150	3.435	3.330	7.250	3.933
H	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1969	1968	1969	1968	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2,400	3,000	3,800	3,620	3,620	3,620	3,600	3,650	4,350	4,810	5,390	9,370	11,360
NORMALIZED MAX	1,985	2,210	2,584	2,594	2,478	2,461	2,302	2,266	2,216	2,475	2,503	3,361	2,760
CALC. COEF. VAR	.519	.520	.543	.529	.533	.524	.535	.544	.572	.551	.547	.590	.520
REON. COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
MEAN/A	.2512	.2928	.3102	.3226	.3297	.3344	.3497	.3744	.4060	.4304	.4613	.6602	1.0000
RP10/A	.4168	.5014	.5489	.5578	.5712	.5756	.6065	.6509	.7054	.7440	.8203	1.1595	1.6768
RP25/A	.5093	.6213	.6785	.6849	.7016	.7019	.7411	.7858	.8075	.9031	.9668	1.4293	2.0113
RP50/A	.5759	.7102	.7721	.7759	.7921	.7918	.8306	.8717	.9077	.9154	.9700	1.6282	2.3516
RP100/A	.6045	.7793	.8040	.8089	.8245	.8245	.8878	.9179	.9609	1.0234	1.1239	1.4818	2.4816
RP1000/A	1.0439	1.3272	1.4293	1.4049	1.4432	1.4002	1.4910	1.0032	1.0671	1.7719	1.6786	2.0031	3.0702
PPM/A	2.1054	2.6294	2.9199	2.9520	3.9303	3.0332	3.2230	3.4067	3.7612	3.9429	4.2859	6.2454	8.5559

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
#26 6624 0 PALMDALE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.69	1.87	1.68	2.10	1.82	1.90	2.45	2.27	2.30	3.41	3.47	7.27
5	2.18	2.63	2.94	2.61	3.28	2.61	2.95	3.62	3.51	3.67	5.17	5.49	10.87
10	2.66	3.26	3.64	3.21	4.04	3.43	3.62	4.66	4.29	4.67	6.25	6.79	13.12
20	3.11	3.85	4.30	3.77	4.74	4.01	4.23	5.68	5.00	5.20	7.22	8.00	15.16
25	3.25	4.04	4.50	3.94	4.98	4.18	4.42	5.72	5.21	5.42	7.52	8.37	15.78
40	3.54	4.42	4.92	4.02	5.07	4.45	4.81	6.23	5.66	5.80	8.13	8.55	17.08
50	3.67	4.68	5.12	4.48	5.82	4.72	4.99	6.46	5.87	6.10	8.41	9.50	17.07
100	4.40	5.45	5.92	5.47	6.20	5.23	5.54	7.18	6.49	6.74	9.25	10.46	19.48
200	4.49	5.56	6.31	5.46	6.89	5.43	6.67	7.80	7.09	7.37	11.07	12.63	21.63
1000	5.40	6.92	7.64	6.57	8.28	6.03	7.26	9.41	8.44	8.75	11.87	14.05	25.21
10000	6.66	8.62	9.48	8.09	10.20	8.36	8.85	11.53	10.26	10.64	14.30	17.35	30.38
PMP	13.43	17.09	19.37	16.98	21.42	18.00	19.22	24.94	22.87	23.69	32.66	36.87	66.84
MEAN	1.002	1.903	2.097	1.857	2.330	1.993	2.085	2.692	2.468	2.585	3.667	3.866	7.850
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.992	1.102	1.361	.357	1.263	1.346	.568	.951	.687	.943	.910	.803	1.116
REGIONAL SKW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900
SKW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900
KURTOSIS	4.220	4.550	4.884	4.916	4.575	2.071	2.499	3.519	3.051	2.662	3.375	2.998	3.050
N	42	42	42	42	42	17	17	42	17	17	17	42	42
RECORD YEAR	1944	1943	1944	1940	1944	1972	1972	1944	1966	1966	1944	1966	1941
RECORD MAXIMUM	3,430	4,410	5,380	3,230	6,320	3,770	4,250	6,610	5,620	5,620	8,340	7,740	16,410
NORMALIZED MAX	2,432	2,663	2,845	1,490	3,007	1,761	1,890	2,630	2,211	2,002	2,367	1,857	2,631
CALC. COEF. VAR	.469	.494	.550	.496	.569	.506	.550	.553	.577	.570	.538	.540	.511
REON. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2041	.2424	.2072	.2366	.2969	.2539	.2640	.3430	.3144	.3293	.4672	.4925	1.0000
RP10/A	.3307	.4151	.4638	.4088	.5142	.4370	.4666	.5963	.5464	.5691	.7962	.8649	1.6708
RP25/A	.4137	.5143	.5734	.5019	.6317	.5330	.5626	.7920	.6661	.6908	.9578	1.0662	2.0113
RP50/A	.4678	.5624	.6568	.5688	.7159	.6012	.6355	.8234	.7472	.7767	1.0710	1.2104	2.5216
RP100/A	.5124	.6569	.7671	.6714	.7971	.7024	.7676	.9474	.8268	.8660	1.2104	1.3704	2.6106
RP1000/A	.6876	.8814	.9736	.8359	1.0544	.8729	.9250	1.1991	1.0746	1.1152	1.5121	.7905	3.1984
RP10000/A	.8481	1.0986	1.2078	1.0310	1.2994	1.0677	1.3252	1.6687	1.3070	1.3554	1.8215	2.2103	3.8702
PPF/A	1.710	2.1767	2.4674	2.1633	2.7283	2.3030	2.4485	3.1777	2.9131	3.0160	4.1600	4.6580	8.5150

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
#26 6627 0 ONG PALMDALE AP

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.28	1.51	1.70	1.84	1.92	2.00	2.12	2.24	2.53	2.75	3.15	4.06	6.94
5	1.92	2.35	2.67	2.06	3.00	3.09	3.29	3.50	3.92	4.24	4.78	6.41	10.38
10	2.34	2.91	3.31	3.52	3.69	3.77	4.04	4.29	4.76	5.17	5.78	7.93	12.52
20	2.74	3.44	3.91	4.13	4.33	4.41	4.72	5.02	5.57	6.01	6.66	9.33	14.48
25	2.86	3.60	4.09	4.32	4.53	4.60	4.93	5.26	5.82	6.27	6.95	9.71	16.25
40	3.12	3.94	4.48	4.66	4.63	5.00	5.37	5.71	6.31	6.81	7.51	9.99	16.21
50	3.23	4.11	4.66	4.89	5.14	5.21	5.57	5.92	6.54	7.05	7.71	11.09	16.88
100	3.40	4.60	5.21	5.45	5.72	5.76	6.18	6.57	7.24	7.80	8.56	12.37	18.60
200	3.95	5.09	5.74	5.99	6.29	6.31	6.78	7.21	7.91	8.52	9.31	13.61	20.27
1000	4.75	6.17	6.95	7.20	7.57	7.54	8.11	8.62	9.41	10.13	10.97	16.41	23.97
10000	5.86	7.69	9.82	8.67	9.33	9.22	9.92	10.56	11.44	12.31	13.22	20.26	29.01
PMP	11.83	15.24	17.62	16.62	19.50	19.89	21.46	22.85	25.51	27.39	30.19	42.70	53.03
MEAN	1.411	1.697	1.908	2.036	2.131	2.193	2.327	2.466	2.753	2.990	3.390	4.513	7.496
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.310	1.492	1.537	1.624	1.817	1.839	2.296	1.075	1.114	1.120	1.234	1.364	1.116
REGIONAL SKW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900
SKW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.900
KURTOSIS	4.965	5.583	5.624	5.027	8.423	5.329	4.410	3.071	4.232	4.034	4.424	4.910	3.907
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1944	1943	1944	1944	1944	1944	1944	1944	1944	1944	1944	1938	1938
RECORD MAXIMUM	3,430	4,410	5,380	5,940	6,320	6,560	6,610	7,820	8,030	9,630	13,980	19,350	
NORMALIZED MAX	2,534	2,692	2,844	2,902	2,960	2,932	2,779	2,653	2,926	2,618	2,023	3,092	2,567
CALC. COEF. VAR	.565	.594	.640	.601	.664	.679	.662	.633	.629	.644	.602	.685	.616
REON. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.1083	.2264	.2545	.2716	.2843	.2925	.3105	.3290	.3673	.3989	.4523	.6021	1.0000
RP10/A	.3124	.3878	.4410	.4693	.4925	.5035	.5388	.5720	.6035	.6395	.6765	1.0268	1.6708
RP25/A	.3016	.4894	.5462	.5762	.6050	.6160	.6460	.6760	.7079	.7479	.7974	1.0374	2.0113
RP50/A	.3004	.5244	.5714	.6014	.6374	.6574	.6874	.7279	.7829	.8221	.8741	1.0370	2.0112
RP100/A	.4460	.6133	.4945	.7267	.7344	.7692	.8247	.8770	.9659	.1.0407	.1.1414	.1.6503	2.4816
RP1000/A	.6343	.8234	.9272	.9608	1.0098	1.0056	1.0814	1.1908	1.2554	1.3512	1.4640	2.1092	3.1964
RP10000/A	.7822	1.0264	1.1804	1.1836	1.2444	1.2300	1.3240	1.4076	1.5268	1.6422	1.7633	2.7024	3.6702
PPF/A	1.5777	2.0355	2.3502	2.4830	2.8128	2.6531	2.6626	3.0465	3.4032	4.0277	5.6960	6.0150	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE 84500 ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BNM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 2150 01 09N 02W S' 34.900 117.763 36

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	.92	1.01	1.04	1.07	1.07	1.16	1.19	1.31	1.48	1.59	1.90	2.18	4.14	
5	1.30	1.50	1.63	1.66	1.67	1.78	1.85	2.04	2.30	2.45	2.89	3.44	6.20	
10	1.69	1.96	2.01	2.05	2.05	2.18	2.27	2.50	2.81	2.98	3.49	4.26	7.48	
20	1.97	2.31	2.38	2.40	2.41	2.55	2.65	2.92	3.27	3.47	4.03	5.01	6.64	
25	2.06	2.42	2.49	2.51	2.52	2.86	2.97	3.00	3.41	3.62	4.20	5.23	9.00	
40	2.24	2.66	2.72	2.57	2.58	2.89	3.01	3.33	3.70	3.93	4.54	5.36	9.74	
50	2.37	2.76	2.83	2.65	2.65	3.00	3.13	3.43	3.80	4.07	4.59	5.70	10.00	
100	2.59	3.09	3.17	3.16	3.16	3.33	3.47	3.83	4.25	4.50	5.16	6.64	11.11	
200	2.89	3.42	3.49	3.48	3.49	3.65	3.80	4.20	4.64	4.92	5.62	7.31	12.10	
400	3.42	4.16	4.23	4.19	4.21	4.36	4.55	5.03	5.52	5.84	6.62	8.01	14.32	
1000	4.22	5.18	5.24	5.16	5.19	5.33	5.57	6.18	6.71	7.10	7.98	10.87	17.33	
10000	8.51	10.28	10.71	10.83	10.90	11.50	12.04	13.32	14.96	15.80	18.22	22.92	36.12	
PMP														

MEAN	1.016	1.143	1.160	1.184	1.186	1.268	1.306	1.438	1.615	1.725	2.047	2.423	4.476
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.250	.771	.994	.940	.944	1.250	1.186	.956	.518	.835	.607	.413	.494
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	5.848	3.349	4.091	3.898	4.020	4.761	3.968	3.211	2.454	3.129	2.697	2.268	2.784
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1918	1918	1916	1916	1916	1918	1918	1908	1908	1916	1916	1916	1918
RECORD MAXIMUM	1.930	2.010	2.300	2.410	2.410	2.800	2.800	3.010	3.030	3.390	3.890	4.340	7.650
NORMALIZED MAX	2.255	1.898	2.294	2.359	2.423	2.565	2.280	2.114	1.803	2.016	1.993	1.737	1.801
CALC. COEF. VAR	.399	.400	.428	.439	.426	.471	.502	.517	.486	.479	.452	.456	.394
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
MEAN/A	.2269	.2553	.2592	.2644	.2669	.2833	.2917	.3211	.3608	.3853	.5473	.5413	1.0000
RP10/A	.3766	.4371	.4499	.4570	.4588	.4875	.5060	.5583	.6269	.6660	.7791	.9506	1.6708
RP20/A	.4600	.5416	.5522	.5620	.5638	.5875	.6183	.6582	.7051	.7455	.8174	.9174	2.0131
RP50/A	.5220	.614	.632	.6386	.6387	.6707	.6976	.6574	.7090	.7182	.8304	.9256	2.2516
RP100/A	.5785	.6914	.7073	.7107	.7113	.7439	.7700	.8559	.9487	.10533	.11537	.14353	2.9185
RP1000/A	.7644	.9283	.9355	.9408	.9738	1.0162	1.1228	1.2331	1.3052	1.4797	1.9480	2.1984	3.1984
RP10000/A	.9428	1.1570	1.1715	1.1525	1.1594	1.1911	1.2471	1.3761	1.4996	1.5863	1.7826	2.4293	3.0702
PMP/A	1.9015	2.2924	2.3933	2.4182	2.4343	2.5893	2.6899	2.9752	3.3426	3.5298	4.0711	5.1204	8.5150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BNM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 6860 02 03W 08W S 34.379 117.691 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H=HOURS													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	3.97	4.98	5.50	5.91	6.17	6.61	7.13	7.64	8.37	9.02	10.28	13.25	22.60	
5	5.97	7.76	8.64	9.20	9.63	10.21	11.08	11.90	12.97	13.92	15.59	20.95	33.82	
10	7.29	9.61	10.69	11.32	11.65	12.63	13.58	14.60	15.84	16.96	20.59	25.90	40.79	
20	6.51	11.35	12.62	13.29	13.92	14.57	15.85	17.08	18.45	19.73	21.75	30.50	47.14	
25	8.89	11.90	13.22	13.90	14.56	15.22	16.75	17.85	18.25	20.59	23.09	34.10	49.10	
40	9.40	11.08	14.66	14.70	14.76	15.70	17.37	19.14	20.33	22.34	24.94	32.43	51.31	
50	10.08	13.74	15.01	15.75	16.50	17.17	18.74	20.16	21.66	22.15	24.33	32.25	54.97	
100	11.16	15.19	16.81	17.53	18.37	19.04	20.80	22.39	25.96	25.60	27.87	40.42	60.58	
200	12.29	16.79	18.54	19.27	20.29	20.86	22.80	24.54	26.19	27.97	30.33	44.46	66.01	
400	14.78	20.40	22.44	23.17	24.30	24.93	27.27	29.37	31.15	33.24	35.75	53.62	76.08	
1000	18.23	25.43	27.85	28.55	29.94	30.49	33.33	35.97	37.08	40.40	43.07	66.19	94.48	
PMP	36.76	56.36	56.89	59.91	62.87	65.76	72.19	77.81	84.43	88.89	98.38	139.51	207.87	

MEAN	4.387	5.610	6.160	6.551	6.842	7.251	7.830	8.399	9.113	9.813	11.046	14.747	20.112
CLOCK HR. COR.	1.140	1.670	1.040	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.144	1.358	.227	1.048	.893	1.028	1.221	1.299	1.332	1.319	1.224	1.736	4.014
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	4.424	4.992	4.344	3.677	3.141	4.102	4.900	5.146	5.328	5.487	5.040	7.004	3.696
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1954	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	9.460	14.390	15.600	15.740	15.820	17.720	21.660	23.040	25.180	27.490	29.810	47.140	54.960
NORMALIZED MAX	2.164	2.719	2.583	2.443	2.402	2.614	3.026	3.009	3.068	3.156	3.051	3.445	2.644
CALC. COEF. VAR	.334	.576	.593	.574	.546	.552	.584	.579	.571	.551	.544	.536	.473
REGN. COEF. VAR	.492	.532	.549	.543	.546	.536	.548	.541	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.536	.548	.541	.551	.544	.527	.564	.501
MEAN/A	.1797	.2298	.2523	.2683	.2802	.2970	.3207	.3440	.3733	.4020	.4525	.6041	1.0000
RP10/A	.2920	.3739	.4381	.4637	.4854	.5112	.5563	.5991	.6467	.6949	.7711	1.0400	1.6700
RP20/A	.3643	.4476	.5156	.5473	.5624	.5924	.6234	.6712	.7054	.7524	.8074	.9217	2.0131
RP50/A	.4193	.5558	.6142	.6450	.6586	.6822	.7265	.7829	.8171	.8462	.8942	.9374	2.0131
RP100/A	.4562	.6224	.6887	.7181	.7523	.7800	.8120	.8700	.9170	.9616	.10467	1.1418	1.6557
RP1000/A	.4054	.9356	.9194	.9493	.9954	1.0210	1.1717	1.2030	1.2759	1.3615	1.4645	2.1964	3.1984
RP10000/A	.7467	1.0416	1.1407	1.1695	1.2266	1.2489	1.3777	1.4732	1.5517	1.6547	1.7642	2.7113	3.0702
PMP/A	1.5059	2.0367	2.3304	2.4540	2.5755	2.6939	2.9571	3.1074	3.4568	3.6821	4.0292	5.7147	6.5150

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 928 2257 0 DAGGETT A P 36 1922 09N 02E S 34°06'67" 116°7'83" 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	.80	.89	.93	.94	.96	.97	1.01	1.04	1.11	1.20	1.36	1.72	3.16
5	1.21	1.39	1.47	1.45	1.49	1.50	1.57	1.63	1.72	1.85	2.12	4.73	4.73
10	1.40	1.72	1.82	1.80	1.84	1.83	1.92	2.00	2.10	2.25	2.48	5.36	5.70
20	1.72	2.03	2.14	2.11	2.16	2.14	2.25	2.34	2.44	2.62	2.87	3.96	6.59
25	1.80	2.13	2.25	2.21	2.26	2.23	2.35	2.44	2.55	2.73	2.99	4.14	6.86
40	1.96	2.34	2.46	2.26	2.30	2.43	2.56	2.77	2.96	3.23	4.23	7.42	7.42
50	2.04	2.43	2.55	2.39	2.56	2.52	2.65	2.87	3.07	3.48	4.70	7.68	7.68
100	2.27	2.72	2.97	2.85	2.95	2.85	3.00	3.24	3.47	3.86	5.16	8.17	8.17
200	2.49	3.01	3.15	3.07	3.13	3.06	3.23	3.36	3.71	4.00	5.77	9.23	9.23
1000	3.00	3.65	3.81	3.69	3.77	3.66	3.86	4.02	4.12	4.41	4.72	6.96	10.91
10000	3.69	4.56	4.73	4.54	4.64	4.48	4.73	4.92	5.01	5.36	5.68	8.59	13.21
PMP	7.45	9.03	9.66	9.53	9.74	9.65	10.22	10.64	11.18	11.92	12.97	18.10	29.05

MEAN	.089	1.005	1.046	1.042	1.060	1.064	1.109	1.148	1.206	1.302	1.457	1.913	3.412
CLOCK HR. COR.	1.140	1.870	1.944	1.747	1.910	1.910	1.987	1.455	1.381	1.406	1.710	1.600	1.000
CALCULATED SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	.900	.900	.800	.800	1.000	.900
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	.900	.900	.800	.800	1.100	.900

KURTOSIS	6.302	5.634	6.211	6.288	6.247	6.273	4.950	5.245	4.970	5.345	4.297	3.956	2.567
N	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29	.29
RECORD YEAR	1959	1959	1961	1961	1961	1961	1959	1959	1959	1959	1959	1959	1959
RECORD MAXIMUM	2.060	2.680	2.940	3.020	3.020	3.020	3.240	3.360	3.630	3.780	4.980	6.510	6.510
NORMALIZED MAX	2.688	2.803	2.794	2.940	2.979	2.982	2.814	2.866	2.849	3.026	2.814	2.802	2.176
CALC. COEF. VAR	.490	.595	.640	.645	.621	.616	.636	.627	.591	.567	.572	.417	.417
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.546	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501

MEAN/A	.2606	.2946	.3066	.3054	.3107	.3119	.3250	.3365	.3535	.3815	.4270	.5608	1.0000
RPI10/A	.4325	.5044	.5322	.5278	.5382	.5369	.5637	.5851	.6163	.6594	.7277	.9849	1.6700
RPI25/A	.5283	.6249	.6580	.6460	.6611	.6547	.6888	.7193	.7467	.8004	.8755	1.2141	2.0113
RPI50/A	.8973	.9720	.9746	.9734	.9741	.9747	.9809	.9819	.9801	.9800	.9770	.9770	2.2516
RPI100/A	.7870	.7787	.8037	.7947	.8343	.8343	.8634	.8879	.9294	.9294	.9175	.9175	2.3700
RPI1000/A	1.0780	1.0711	1.1170	1.0805	1.1035	1.0723	1.1320	1.1767	1.2082	1.2922	1.3821	2.0389	1.9848
RPI10000/A	1.0828	1.3351	1.3859	1.3312	1.3599	1.3116	1.3860	1.4411	1.4694	1.5705	1.6649	2.5169	3.8702
PMP/A	2.1839	2.6452	2.8313	2.7932	2.8554	2.8292	2.9966	3.1180	3.2753	3.4946	3.8023	5.3051	8.5150

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LDT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 928 8479 0 SQUIRREL INN 5680 19 02N 03W 5 34°23'33" 117°23'33" 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	5.39	6.82	7.68	8.44	8.99	9.46	10.20	11.02	12.66	13.95	16.36	21.89	37.10
5	8.11	10.62	12.07	13.14	14.02	14.61	15.86	17.17	19.62	21.52	24.81	34.60	55.51
10	9.69	13.16	14.94	16.17	17.29	17.86	19.44	21.05	23.95	26.23	29.78	42.78	66.95
20	11.55	15.55	17.63	18.98	20.27	20.86	22.74	24.63	27.90	30.52	34.63	47.37	77.38
25	12.05	16.30	18.47	19.85	21.21	21.78	23.76	25.74	29.11	31.84	36.06	52.73	80.59
40	13.15	17.88	20.20	20.26	21.66	23.69	25.85	28.02	31.60	34.54	38.97	58.89	87.17
50	13.81	18.99	21.01	22.49	24.93	24.93	26.75	28.76	32.76	37.37	40.42	59.22	87.22
100	15.19	20.81	23.48	25.04	26.74	26.25	29.78	32.28	36.24	39.59	43.88	66.76	99.44
200	16.59	22.99	25.29	27.52	29.42	29.86	32.64	35.39	39.61	43.25	48.28	73.47	108.34
1000	20.07	27.94	31.35	33.10	35.39	35.68	39.04	42.35	47.11	51.40	56.92	88.56	128.16
10000	24.76	34.83	38.90	40.78	43.62	43.64	47.80	51.86	57.29	62.46	68.57	105.07	155.07
PMP	49.93	69.01	79.47	85.57	91.58	94.13	103.35	112.20	127.70	138.99	156.59	230.41	341.18

MEAN	5.958	7.664	8.606	9.357	9.965	10.378	11.210	12.110	13.783	15.174	17.585	24.357	40.069
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.178	1.905	1.773	1.562	1.409	1.303	1.025	1.222	1.050	1.181	1.471	1.426	1.100
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKW USED	1.200	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900	.900	.800	1.100	.900

KURTOSIS	11.227	7.975	6.691	5.418	4.839	4.571	3.666	4.694	4.291	4.910	6.379	5.519	4.233
N	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.72	.67
RECORD YEAR	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1938	1938
RECORD MAXIMUM	16,810	22,640	25,600	26,870	27,320	27,800	27,860	31,720	37,060	42,580	50,290	70,050	97,000
NORMALIZED MAX	4.053	3.759	3.767	3.521	3.413	3.358	3.040	3.416	3.591	3.746	3.656	3.439	3.439
CALC. COEF. VAR	.449	.510	.526	.532	.510	.500	.487	.464	.494	.503	.496	.513	.413
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501

MEAN/A	.1487	.1918	.2146	.2335	.2487	.2590	.2798	.3022	.3440	.3787	.4389	.6079	1.0000
RPI10/A	.2460	.3284	.3728	.4036	.4308	.4458	.4853	.5255	.5978	.6545	.7480	1.0576	1.6708
RPI25/A	.3014	.4059	.4609	.4955	.5292	.5437	.5929	.6424	.7265	.7945	.8998	1.3161	2.0113
RPI50/A	.3408	.4504	.4633	.5244	.5613	.6132	.6565	.7265	.8175	.8933	1.0052	1.4040	2.2516
RPI100/A	.3754	.5154	.5214	.5614	.6078	.6894	.7474	.8125	.9045	.9849	1.1664	1.4205	2.2101
RPI1000/A	.5010	.6974	.7025	.8261	.8833	.9648	.9744	.10568	.11757	.12827	.14205	2.1084	3.1984
RPI10000/A	.6178	.8692	.8769	1.0178	1.0880	1.0891	1.1930	1.2943	1.4299	1.5589	1.7112	2.7283	3.8702
PMP/A	1.2461	1.7222	1.9834	2.1356	2.2858	2.3492	2.5794	2.8003	3.1871	3.4608	3.9081	5.7504	6.5156

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB KEE RANCH 4325 14 01N 04E P S 34°16' 116°53' 36

RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.77	1.94	2.09	2.13	2.29	2.46	2.60	2.64	2.77	2.85	3.30	4.30	6.06	
5	3.06	3.35	3.61	3.68	3.95	4.24	4.48	4.55	4.76	4.87	5.69	7.36	9.52	
10	4.03	4.43	4.74	4.83	5.15	5.53	5.85	5.94	6.18	6.29	7.42	9.51	11.75	
20	5.01	6.50	6.86	5.97	6.34	6.81	7.20	7.31	7.57	7.67	9.14	11.59	13.81	
25	5.32	5.84	6.22	6.33	6.72	7.21	7.53	7.65	8.01	8.11	9.68	12.25	14.46	
50	6.49	6.57	6.78	7.10	7.47	8.07	8.50	8.67	9.24	9.32	10.43	13.43	17.77	
50	6.30	6.91	7.33	7.47	7.89	8.47	8.96	9.10	9.38	9.46	11.37	14.40	16.40	
100	7.28	7.99	8.44	8.60	9.06	9.72	10.29	10.45	10.73	10.78	13.05	16.28	16.27	
200	8.25	9.00	9.55	9.72	10.22	10.97	11.60	11.78	12.07	12.09	14.73	18.28	20.10	
1000	10.52	11.55	12.11	12.33	12.90	13.64	14.61	14.78	15.15	15.10	18.58	22.81	24.20	
10000	13.76	15.11	15.77	16.06	16.70	17.93	19.09	19.26	19.51	19.54	24.06	29.22	29.85	
PMP	23.32	25.60	27.35	27.84	29.65	31.83	33.67	34.19	35.50	36.08	42.73	54.49	62.80	
MEAN	2.197	2.412	2.576	2.623	2.793	2.999	3.172	3.221	3.344	3.399	4.025	5.134	6.735	
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.690	1.176	.913	1.198	1.355	1.526	1.677	1.693	1.625	1.527	1.412	2.202	.754	
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.000	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.000	
KURTOSIS	2.830	3.920	2.992	3.897	4.236	4.959	5.591	5.754	5.518	5.130	5.223	8.509	3.642	
N	20	19	19	19	19	19	19	19	19	19	19	19	19	
RECORD YEAR	1969	1972	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1950	
RECORD MAXIMUM	3,500	5,000	5,000	6,000	7,000	8,000	9,000	9,250	9,250	10,000	17,360	34,140		
NORMALIZED MR.	1.342	2.044	1.778	2.220	2.368	2.511	2.626	2.684	2.549	2.496	2.463	3.158	2.137	
CALC. COEF. VAR	.442	.525	.529	.580	.636	.664	.700	.697	.693	.690	.663	.754	.515	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
MEAN/A	.3262	.3881	.3826	.3895	.4148	.4452	.4710	.4783	.4966	.5047	.5977	.7923	1.0000	
RP10/A	.5987	.6452	.7039	.7157	.8213	.8886	.8822	.9379	.9346	.1.1025	.1.4116	.1.7442		
RP25/A	.7935	.8675	.9704	.9941	.1.2152	.1.3130	.1.1501	.1.1911	.1.1404	.1.3025	.1.4039	.1.6990	.2.0115	
RP50/A	.9333	1.0267	1.0891	1.1087	1.1721	1.2252	1.1310	1.1501	1.1404	1.1324	1.2124	1.3466		
RP100/A	1.0003	1.1858	1.2538	1.2765	1.3452	1.4440	1.5275	1.5511	1.5929	1.6007	1.9383	2.4177	2.7131	
RP1000/A	1.5610	1.7144	1.7968	1.8131	1.9148	2.0559	2.1744	2.2079	2.2694	2.2422	2.1592	3.3866	3.5938	
RP10000/A	2.0434	2.2430	2.3416	2.3839	2.4797	2.6611	2.8158	2.8592	2.8974	2.8722	3.5731	4.3380	4.4326	
PMP/A	3.4634	3.8017	4.0609	4.1343	4.4029	4.7263	4.9997	5.0769	5.0769	5.0710	5.3573	6.3444	8.0915	9.3250

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB X12 4297 0 IRON MTN 77 900 30 01N 18E S 34°13' 115°13' 36

RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
		10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.80	.90	.93	.94	.97	1.00	1.03	1.05	1.14	1.22	1.28	1.54	2.76	
5	1.38	1.56	1.90	1.62	1.67	1.72	1.77	1.82	1.96	2.09	2.20	2.63	4.33	
10	1.82	2.06	2.10	2.13	2.18	2.24	2.32	2.37	2.54	2.71	2.87	3.40	5.35	
20	2.26	2.56	2.60	2.64	2.68	2.76	2.85	2.92	3.12	3.30	3.53	4.18	6.29	
25	2.40	2.76	2.76	2.80	2.84	2.90	2.92	3.09	3.20	3.49	3.67	4.39	6.58	
40	3.05	3.49	3.14	3.45	3.55	3.92	3.27	3.46	3.69	4.19	4.48	6.72		
50	3.80	3.71	3.25	3.30	3.33	3.35	3.85	3.95	3.96	4.05	4.40	5.11		
100	3.28	3.71	3.74	3.80	3.83	3.94	4.07	4.17	4.41	4.83	5.05	5.83	8.32	
200	3.72	4.21	4.23	4.30	4.32	4.44	4.59	4.71	4.96	5.20	5.70	6.54	9.15	
1000	4.75	5.37	5.37	5.45	5.45	5.61	5.79	5.94	6.23	6.49	7.19	8.17	11.02	
6,20	7.02	6.99	7.09	7.06	7.26	7.50	7.69	8.03	8.31	9.31	10.46	13.59		
10,51	11.90	12.12	12.30	12.53	12.89	13.32	13.85	14.61	15.51	16.53	19.51	28.59		
MEAN	.990	1.121	1.142	1.159	1.180	1.214	1.255	1.286	1.376	1.461	1.557	1.838	3.066	
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	2.261	3.968	3.807	3.767	3.753	3.687	3.908	3.930	3.467	3.410	2.683	1.733		
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.000	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.000	
KURTOSIS	10.910	22.611	21.981	21.354	21.381	21.146	22.988	23.235	19.495	20.192	18.412	13.195	6.783	
N	.39	.39	.39	.39	.39	.39	.39	.39	.39	.39	.39	.39	.39	
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	
RECORD MAXIMUM	2,980	5,390	5,520	5,560	5,590	5,590	6,000	6,150	6,890	7,050	7,380	9,010		
NORMALIZED MR.	3,536	4,794	4,937	5,020	5,084	5,059	5,366	5,260	5,514	5,688	4,498	4,498	3,32	
CALC. COEF. VAR	.586	.794	.777	.757	.735	.731	.625	.711	.692	.733	.713	.672	.585	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
MEAN/A	.3229	.3656	.3724	.3780	.3849	.3960	.4053	.4195	.4487	.4764	.5070	.5994	1.0000	
RP10/A	.5924	.6709	.6953	.6955	.7100	.7285	.7359	.7377	.7395	.7823	.9265	1.1101	1.442	
RP25/A	.7924	.8856	.8951	.9126	.9286	.9288	.9289	.9294	.1.0724	.1.1754	.1.2217	1.4305	2.1465	
RP50/A	.9256	1.0481	1.0601	1.0759	1.0877	1.1129	1.1568	1.1568	1.1568	1.1568	1.1568	1.1665	2.4346	
RP100/A	1.0591	1.2105	1.2206	1.2387	1.2402	1.2844	1.3276	1.3604	1.4395	1.5111	1.6464	1.9012	2.7131	
RP1000/A	1.5457	1.7502	1.7511	1.7772	1.7766	1.6203	1.8097	1.9365	2.0328	2.1166	2.3441	2.6631	3.5936	
RP10000/A	2.0222	2.289	2.2795	2.3134	2.3010	2.3675	2.4472	2.5077	2.6183	2.7113	3.0352	3.4113	4.4326	
PMP/A	3.4279	3.8610	3.9531	4.0120	4.0857	4.2040	4.3452	4.5427	4.7633	5.0527	5.3901	6.3630	9.3250	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X13 6118 0 NEEDLES ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
34°46'70" 114°46'17" 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.96	1.05	1.12	1.16	1.22	1.25	1.30	1.33	1.46	1.54	1.71	2.11	4.01
5	1.66	1.91	1.93	2.00	2.10	2.15	2.24	2.30	2.50	2.63	2.94	3.62	6.39
10	2.19	2.39	2.53	2.63	2.75	2.81	2.92	3.00	3.25	3.40	3.84	4.66	7.78
20	2.72	2.97	3.13	3.25	3.38	3.45	3.59	3.70	3.98	4.15	4.73	5.70	9.15
25	2.90	3.15	3.33	3.45	3.58	3.66	3.81	3.92	4.22	4.39	5.01	6.03	9.57
40	3.26	3.55	3.73	3.87	4.01	4.09	4.26	4.38	4.70	4.88	5.60	6.71	9.78
50	3.43	3.74	3.94	4.07	4.21	4.37	4.54	4.71	4.93	5.11	5.88	7.03	10.86
100	3.94	4.31	4.51	4.68	4.83	4.93	5.13	5.28	5.64	5.93	6.75	8.01	12.10
200	4.49	4.89	5.11	5.30	5.45	5.56	5.79	5.98	6.35	6.54	7.62	9.99	13.31
1000	5.72	6.23	6.48	6.72	6.88	7.02	7.31	7.52	7.97	8.16	9.61	11.22	16.02
10000	7.49	8.15	8.43	8.75	8.91	8.99	9.46	9.75	10.27	10.46	12.45	14.38	19.76
PMP	12.69	13.82	14.62	15.17	15.81	16.15	16.80	17.25	18.68	19.51	22.10	26.82	41.58
MEAN	1.195	1.302	1.377	1.429	1.490	1.521	1.583	1.628	1.759	1.838	2.082	2.526	4.459
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.423	1.540	1.765	1.619	1.399	1.365	1.655	1.859	1.602	1.546	2.054	1.763	1.135
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	5.373	5.798	7.413	6.949	6.083	5.876	7.060	7.637	6.485	6.348	6.738	6.954	4.727
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1907	1940	1940	1940	1940	1940	1910	1907	1907	1940	1910	1910	1940
RECORD MAXIMUM	3,490	3,920	5,100	5,120	5,120	5,120	5,580	5,660	5,660	6,040	8,110	9,510	13,360
NORMALIZED MAX	3,122	3,218	4,123	4,171	4,063	3,960	3,979	3,733	3,453	3,614	4,099	3,965	3,463
CALC. COEF. VAR	.615	.625	.656	.619	.600	.595	.635	.663	.642	.633	.706	.677	.578
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2681	.2919	.3089	.3205	.3341	.3411	.3551	.3652	.3946	.4122	.4670	.5666	1.0000
RP10/A	.4919	.5357	.5684	.5897	.6163	.6292	.6549	.6737	.7294	.7631	.8614	1.0493	1.742
RP25/A	.6494	.7074	.7459	.7732	.8020	.8207	.8582	.8822	.9177	.9566	1.1230	1.3722	2.4365
RP50/A	.8074	.8868	.9364	.9742	.9942	.9942	1.0433	1.0321	1.1066	1.1468	1.197	1.5761	2.4346
RP100/A	.8876	.9665	1.0124	1.0504	1.0836	1.1063	1.1515	1.1844	1.2658	1.3073	1.5146	1.7971	2.7131
RP1000/A	1.2833	1.3974	1.4525	1.5070	1.5425	1.5748	1.6391	1.6860	1.7876	1.8312	2.1560	2.5172	3.5938
RP10000/A	1.6790	1.8283	1.8908	1.9617	1.9975	2.0393	2.1221	2.1833	2.3025	2.3456	2.7919	3.2245	4.4326
PMP/A	2.6458	3.0988	3.2791	3.4021	3.5468	3.6211	3.7689	3.8768	4.1007	4.3752	4.9574	6.0144	9.3250

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X14 6699 0 PARKER RESERVOIR ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
738 02N 27E 34°28'33" 114°16'7" 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.88	.96	.98	1.04	1.11	1.14	1.19	1.23	1.33	1.40	1.56	2.02	4.10
5	1.52	1.66	1.70	1.80	1.91	1.97	2.04	2.11	2.28	2.40	2.68	3.46	6.44
10	2.00	2.19	2.23	2.36	2.50	2.57	2.67	2.76	2.96	3.10	3.50	4.47	7.95
20	2.49	2.72	2.76	2.92	3.00	3.16	3.29	3.40	3.63	3.78	4.31	5.93	9.35
25	2.65	2.89	2.93	3.10	3.26	3.38	3.60	3.60	3.94	4.09	4.44	5.11	9.99
40	2.95	3.25	3.28	3.40	3.50	3.65	3.79	3.91	4.09	4.23	4.49	6.36	11.09
50	3.13	3.45	3.45	3.66	3.73	3.94	4.09	4.23	4.49	4.64	5.11	6.40	9.99
100	3.72	3.95	3.97	4.21	4.40	4.51	4.69	4.85	5.14	5.31	6.11	7.65	12.36
200	4.10	4.48	4.49	4.76	4.90	5.09	5.29	5.47	5.78	5.95	6.58	13.80	20.00
1000	5.23	5.71	5.70	6.04	6.26	6.43	6.68	6.91	7.26	7.44	8.77	10.71	16.38
10000	6.84	7.47	7.42	7.87	8.11	8.32	8.65	8.95	9.35	9.53	11.38	13.74	26.20
PMP	11.60	12.65	12.87	13.64	14.39	14.76	15.36	15.89	17.00	17.77	20.17	25.80	42.49
MEAN	1.092	1.192	1.212	1.285	1.356	1.392	1.447	1.497	1.602	1.674	1.900	2.411	4.557
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.770	2.472	2.833	2.447	1.995	1.945	1.522	1.410	1.211	1.025	1.322	.996	.931
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	13.537	12.800	14.757	12.402	9.744	9.343	6.785	6.221	5.521	4.999	5.156	4.182	3.593
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	3,050	3,270	3,730	3,910	3,910	3,910	3,910	3,920	3,980	3,980	5,000	5,000	10,400
NORMALIZED MAX	3,433	3,714	4,043	3,971	3,753	3,701	3,427	3,334	3,191	3,191	3,493	2,950	2,553
CALC. COEF. VAR	.522	.469	.514	.514	.502	.489	.497	.486	.485	.484	.496	.455	.523
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2397	.2616	.2661	.2820	.2975	.3055	.3176	.3284	.3515	.3673	.4170	.5292	1.0000
RP10/A	.4399	.4800	.4898	.5190	.5466	.5888	.5858	.6024	.6497	.6802	.7691	.9800	1.7442
RP25/A	.5807	.6337	.6424	.6600	.7158	.7350	.7501	.7801	.8246	.8766	1.0231	1.6262	2.1465
RP50/A	.6872	.7374	.7747	.7947	.8242	.8573	.8973	.9281	.9587	1.0216	1.1763	1.4720	2.4346
RP100/A	.7717	.8642	.8721	.9243	.9649	.9947	1.0300	1.0681	1.1275	1.1650	1.3522	1.6784	2.7131
RP1000/A	1.1476	1.2523	1.2511	1.3261	1.3736	1.4103	1.4662	1.5161	1.5923	1.6319	1.9248	2.3510	3.5930
RP10000/A	1.5014	1.6384	1.6208	1.7263	1.7767	1.8292	1.8966	2.0509	2.0903	2.4928	3.2115	4.4326	
PMP/A	2.5464	2.7770	2.8244	2.9938	3.1593	3.2427	3.3713	3.4681	3.7311	3.8993	4.4259	5.0172	9.3250

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
A15 924 0 STATION NAME BLYTHE SOF ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
267 32 065 23E S 33.614 114.598 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	.98	1.06	1.10	1.11	1.17	1.19	1.21	1.28	1.35	1.42	1.51	1.76	3.36
5	1.69	1.83	1.96	1.92	2.01	2.04	2.08	2.16	2.24	2.34	2.59	3.02	5.26
10	2.23	2.41	2.59	2.53	2.62	2.69	2.72	2.82	3.01	3.18	3.39	4.17	5.11
20	2.77	3.00	3.09	3.12	3.23	3.31	3.35	3.47	3.69	3.84	4.17	4.70	7.65
25	2.95	3.18	3.28	3.31	3.42	3.50	3.55	3.66	3.90	4.04	4.42	5.02	8.01
40	3.31	3.58	3.67	3.72	3.82	3.92	3.97	4.12	4.35	4.51	4.94	5.39	8.18
50	3.49	3.77	3.86	3.91	4.02	4.12	4.17	4.32	4.55	4.73	5.19	5.86	9.09
100	4.03	4.35	4.45	4.50	4.61	4.72	4.78	4.98	5.22	5.39	5.86	6.68	10.12
200	4.57	4.93	5.06	5.09	5.20	5.33	5.40	5.59	5.87	6.03	6.48	7.49	11.14
500	5.92	6.29	6.36	6.45	6.57	6.71	6.87	7.07	7.37	7.55	8.48	9.35	15.11
1000	6.62	8.23	8.36	8.40	8.50	8.71	8.92	9.13	9.50	9.68	10.98	11.98	16.54
PMP	12.91	13.95	14.40	14.57	15.10	15.66	16.25	17.28	18.05	19.50	22.35	24.80	
MEAN	1.216	1.314	1.357	1.373	1.423	1.457	1.475	1.530	1.628	1.700	1.837	2.105	3.732
CLOCK HR, COR.	1.140	1.070	1.049	1.023	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.305	2.051	2.073	2.053	1.833	1.764	2.25	1.92	1.688	1.189	1.14	1.710	
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
KURTOSIS	8.907	8.955	8.955	8.825	7.689	7.480	7.171	9.744	8.461	8.369	8.694	5.819	3.366
N	62	62	62	62	62	62	62	62	62	62	62	62	62
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	
RECORD MAXIMUM	3.080	4.686	5.110	5.110	5.110	5.110	5.120	5.890	5.890	6.650	6.650	10.090	
NORMALIZED MAX	2.403	3.730	3.967	3.966	3.961	3.871	3.899	4.159	3.951	3.861	4.131	3.610	3.132
CALC. COEF. VAR	.631	.687	.697	.687	.664	.648	.637	.685	.663	.638	.638	.598	.544
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3290	.3521	.3635	.3678	.3812	.3903	.3952	.4101	.4362	.4558	.4922	1.0000	
RP10/A	.5962	.6689	.6768	.7032	.7280	.7299	.7565	.8053	.8488	.9880	1.0448	1.7442	
RP25/A	.7896	.8529	.8777	.8861	.9174	.9391	.9508	.9867	1.0453	1.0873	1.1843	1.3464	2.1465
RP50/A	.9345	1.0949	1.0348	1.0470	1.0773	1.1031	1.1168	1.1590	1.2232	1.2675	1.3310	1.5695	2.4346
RP100/A	1.0793	1.1658	1.1914	1.2055	1.2363	1.2659	1.2817	1.3301	1.3992	1.4451	1.5964	1.7895	2.7131
RP1000/A	1.5664	1.6855	1.7092	1.7294	1.7599	1.8020	1.8245	1.8933	1.9797	2.0243	2.2724	2.5866	3.5938
RP10000/A	2.0416	4.6953	6.2659	6.2659	6.2513	6.2790	2.3336	2.3567	2.4518	2.5451	2.5330	9.2567	3.2169
PMP/A	3.493	3.7377	3.9586	3.9582	4.0468	4.1348	4.1932	3.9354	4.6301	4.8388	6.2521	3.9880	0.3250

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X15 927 0 STATION NAME BLYTHE A P ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
9 390 33.617 114.717 17

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	.91	.94	1.01	1.02	1.03	1.03	1.09	1.18	1.26	1.39	1.64	2.89	
5	1.57	1.62	1.74	1.75	1.76	1.77	1.78	1.88	2.03	2.16	2.41	3.69	
10	2.07	2.14	2.28	2.30	2.35	2.35	2.46	2.64	2.90	3.14	3.53	5.79	
20	2.67	2.85	2.82	2.85	2.83	2.86	2.93	3.03	3.11	3.41	3.86	4.42	6.81
25	2.73	2.82	2.99	3.02	3.00	3.02	3.03	3.21	3.43	3.60	4.09	4.67	7.13
40	3.07	3.17	3.36	3.39	3.33	3.36	3.39	3.59	3.82	4.01	4.58	5.20	7.26
50	3.23	3.34	3.53	3.56	3.52	3.55	3.56	3.77	4.01	4.20	4.81	5.45	6.08
100	3.73	3.86	4.06	4.10	4.04	4.07	4.08	4.32	4.59	4.79	5.52	6.21	9.01
200	4.23	4.37	4.64	4.64	4.54	4.59	4.61	4.88	5.13	5.31	6.22	7.37	9.51
500	5.57	5.83	5.98	5.95	5.85	5.88	5.91	6.16	6.40	6.71	7.57	11.93	
1000	7.06	7.29	7.59	7.66	7.45	7.51	7.63	7.97	8.34	8.59	10.17	11.14	14.72
PMP	11.98	12.36	13.16	13.20	13.23	13.33	13.37	14.15	15.17	16.03	18.06	20.78	30.96
MEAN	1.127	1.155	1.240	1.251	1.246	1.256	1.259	1.333	1.429	1.510	1.701	1.988	3.324
CLOCK HR, COR.	1.140	1.070	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.660	1.454	2.051	2.139	2.122	2.111	2.059	2.94	2.562	2.374	2.424	1.989	1.300
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600
KURTOSIS	6.370	5.388	6.775	9.373	9.351	9.324	8.680	14.050	11.022	10.312	9.695	7.840	4.744
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	
RECORD MAXIMUM	3.000	3.000	4.260	4.480	4.480	4.480	4.480	5.920	5.920	6.650	6.650	10.070	
NORMALIZED MAX	2.677	2.701	3.673	3.855	3.909	3.907	3.836	4.455	4.455	4.062	3.761	3.440	3.089
CALC. COEF. VAR	.621	.584	.603	.669	.664	.657	.666	.772	.756	.716	.786	.697	.656
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3395	.3508	.3734	.3769	.3793	.3783	.3794	.4016	.4386	.4547	.5124	.5698	1.0000
RP10/A	.6229	.6436	.6870	.6935	.6922	.6979	.6997	.7408	.7059	.6421	.5191	1.0922	1.7442
RP25/A	.8223	.8496	.9015	.9699	.9029	.9102	.9127	.9662	.1.0319	.1.0825	.1.2326	.1.075	.2.1465
RP50/A	.9731	1.0055	1.0629	1.0728	1.0865	1.0891	1.0720	1.1349	1.2074	1.2650	1.4749	1.6406	2.4346
RP100/A	1.1239	1.1613	1.2237	1.2352	1.2171	1.2269	1.2303	1.3024	1.3812	1.4423	1.6617	1.8706	2.7131
RP1000/A	1.6250	1.7377	1.7537	1.7721	1.7328	1.7460	1.7513	1.9540	2.0205	2.3030	2.6312	2.8336	3.9336
RP10000/A	2.1268	2.1919	2.2486	2.3036	2.2027	2.2477	2.2490	2.5122	2.5919	2.6321	2.8364	3.2684	4.4326
PMP/A	3.0034	3.7233	3.9634	4.0004	3.9837	4.0159	4.0260	4.2631	4.5703	4.8270	5.3499	6.2005	9.3250

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X17 2598 0 STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
EAGLE MOUNTAIN PUMP 973 30 045 15E S 33.800 115.450 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.87	.93	.94	.93	.95	.96	.99	.94	1.09	1.15	1.18	1.34	2.32
5	1.51	1.61	1.62	1.61	1.64	1.69	1.71	1.61	1.88	1.97	2.03	2.29	3.64
10	1.99	2.13	2.13	2.12	2.14	2.20	2.23	2.11	2.44	2.55	2.69	2.95	4.49
20	2.47	2.64	2.63	2.62	2.64	2.71	2.75	2.59	2.99	3.11	3.29	3.60	5.28
25	2.63	2.81	2.74	2.74	2.80	2.87	2.91	2.75	3.15	3.29	3.45	3.81	5.53
40	2.99	3.15	3.13	3.12	3.13	3.20	3.26	3.07	3.52	3.64	3.76	4.24	5.65
50	3.11	3.22	3.29	3.28	3.29	3.37	3.42	3.33	3.70	3.83	3.93	4.44	5.77
100	3.59	3.83	3.79	3.77	3.87	3.93	3.97	4.23	4.37	4.66	5.04	5.96	6.99
200	4.07	4.35	4.29	4.27	4.25	4.37	4.43	4.18	4.76	4.90	5.25	5.68	7.69
1000	5.19	5.54	5.44	5.41	5.37	5.51	5.59	5.27	5.97	6.12	6.63	7.09	9.26
10000	6.79	7.25	7.08	7.05	6.95	7.14	7.24	6.83	7.69	7.84	8.58	9.08	11.42
PMPE	11.52	12.29	12.28	12.22	12.34	12.67	12.85	12.12	13.99	14.63	15.24	16.94	24.01

MEAN	1.085	1.158	1.157	1.152	1.163	1.194	1.211	1.142	1.318	1.378	1.436	1.596	2.575
CLOCK NR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED REGIONAL SKW	2.672	2.018	1.919	1.890	1.841	1.724	1.645	1.334	1.705	1.723	1.734	1.494	1.838
REGIONAL SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100

KURTOSIS	12.652	8.787	8.382	8.350	8.296	7.808	7.532	2.596	7.830	7.600	7.773	6.076	3.499
N	30	30	30	30	30	30	30	29	30	30	30	30	30
RECORD YEAR	1972	1972	1972	1972	1972	1972	1972	1951	1972	1972	1972	1972	1972
RECORD MAXIMUM	4,000	4,000	4,000	4,000	4,020	4,020	4,030	2,330	4,450	4,700	4,790	4,910	6,400
NORMALIZED MAX	3,467	3,397	3,490	3,581	3,625	3,967	3,584	2,003	3,623	3,589	3,619	3,302	2,560
CALC. COEF. VAR	.775	.722	.704	.691	.678	.664	.650	.519	.656	.672	.646	.629	.580
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.595

MEAN/A	.4213	.4497	.4493	.4472	.4515	.4636	.4701	.4433	.5119	.5351	.5575	.6196	1.0000
RP10/A	.7730	.8252	.8268	.8228	.8229	.8551	.8671	.8180	.9463	.959	.9283	1.1474	1.7442
RP20/A	1.0204	1.040	1.010	1.010	1.010	1.054	1.054	1.054	1.270	1.270	1.270	1.270	2.1455
RP50/A	1.4054	1.291	1.2791	1.279	1.279	1.3100	1.3284	1.2532	1.3295	1.4884	1.5753	1.7336	2.3436
RP100/A	1.3748	1.4889	1.4727	1.4655	1.4644	1.5034	1.5246	1.4382	1.6421	1.4971	1.8079	1.9652	2.7131
RP1000/A	2.0165	2.1526	2.1128	2.1026	2.0845	2.1400	2.1702	2.0472	2.2189	2.3772	2.5735	2.7927	3.5938
RP10000/A	2.6383	2.8163	2.7503	2.7370	2.6994	2.7713	2.8104	2.6511	2.9889	3.0451	3.3327	3.5261	4.4326
PMPE/A	4.4717	4.7734	4.7696	4.7466	4.7930	4.9207	4.9901	4.7074	5.4339	5.6798	5.9175	6.5770	9.3250

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X18 3855 0 STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
MAYFIELD PUMP 175 1370 28 055 13E S 33.700 115.633 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	.77	.96	1.02	1.04	1.09	1.10	1.11	1.14	1.22	1.28	1.38	1.67	2.90
5	1.34	1.66	1.76	1.80	1.87	1.89	1.91	1.96	2.10	2.19	2.37	2.65	4.56
10	1.77	2.20	2.31	2.36	2.45	2.47	2.49	2.56	2.73	2.83	3.10	3.69	5.63
20	2.20	2.73	2.86	2.91	3.01	3.03	3.07	3.15	3.35	3.45	3.81	4.49	6.61
25	2.34	2.90	3.03	3.07	3.19	3.22	3.25	3.34	3.54	3.65	4.04	4.62	6.92
40	2.62	3.28	3.30	3.34	3.47	3.56	3.67	3.84	3.94	4.00	4.25	4.75	7.89
50	2.65	3.28	3.37	3.45	3.57	3.66	3.74	3.82	3.94	4.15	4.25	4.54	7.89
80	3.19	3.96	4.11	4.20	4.30	4.33	4.36	4.51	4.74	4.85	5.45	6.31	8.75
100	3.19	3.96	4.11	4.20	4.30	4.33	4.36	4.51	4.74	4.85	5.45	6.31	8.75
200	3.62	4.50	4.65	4.75	4.85	4.99	5.08	5.33	5.94	6.15	7.08	9.62	
1000	4.62	5.73	5.90	6.02	6.12	6.17	6.24	6.41	6.70	6.79	7.76	8.84	11.59
10000	6.04	7.50	7.68	7.84	7.93	7.99	8.08	8.31	8.63	8.69	10.05	11.33	14.30
PMPE	10.24	12.71	13.33	13.59	14.08	14.19	14.35	14.75	15.69	16.22	17.84	21.13	30.07

MEAN	.964	1.197	1.255	1.281	1.327	1.352	1.389	1.478	1.528	1.681	1.991	3.225	
CLOCK NR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED REGIONAL SKW	2.139	3.260	3.388	3.276	2.999	2.977	2.947	2.874	2.543	2.389	3.847	3.065	2.013
REGIONAL SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100

KURTOSIS	9.611	16.997	17.752	17.349	15.673	15.930	15.240	14.783	12.622	11.763	21.694	16.414	8.711
N	36	38	38	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940
RECORD MAXIMUM	3,090	5,550	5,950	5,950	5,950	5,970	5,970	5,970	5,970	5,970	8,800	8,800	11,290
NORMALIZED MAX	3,384	4,412	4,627	4,714	4,651	4,639	4,675	4,631	4,494	4,337	5,129	4,765	3,936
CALC. COEF. VAR	.639	.824	.808	.773	.749	.764	.731	.702	.682	.669	.685	.718	.555
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2991	.3712	.3693	.3971	.4113	.4145	.4192	.4308	.4584	.4737	.5211	.6173	1.0000
RP10/A	.5488	.6624	.7163	.7307	.7587	.7645	.7782	.7947	.8174	.8272	.9642	1.1432	1.742
RP25/A	.7244	.8993	.9399	.9586	.9696	.9972	1.0085	1.0208	1.0966	1.1394	1.1437	1.4731	2.1465
RP50/A	.7902	1.0542	1.1798	1.1914	1.1840	1.1712	1.1594	1.1728	1.1771	1.1775	1.1775	1.2434	
RP100/A	1.4216	1.7771	1.8304	1.8672	1.8869	1.9134	1.9351	1.9273	1.9273	1.9273	1.9273	1.9273	2.1311
RP1000/A	1.4216	1.7771	1.8304	1.8672	1.8869	1.9134	1.9351	1.9273	1.9273	1.9273	1.9273	1.9273	2.1311
RP10000/A	1.8730	2.3251	2.3827	2.4306	2.4590	2.4776	2.5059	2.5757	2.6749	2.6957	3.1192	3.5130	4.4326
PMPE/A	3.1743	3.9408	+1321	+4125	+3663	+4396	+4449	+4574	+4862	+5028	+5314	+6552	9.3290

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85 ORDER SUB X19 489 0 BANNING 2380 09 035 01E 5 33.929 116.876 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.67	2.66	2.93	3.16	3.37	3.51	3.62	4.08	4.56	4.96	5.67	7.76	14.77
5	3.58	4.61	5.06	5.46	5.80	6.06	7.04	7.83	8.49	9.77	13.29	23.20	
10	4.73	6.08	6.64	7.16	7.57	7.91	8.61	9.19	10.18	10.97	12.76	17.18	28.62
20	5.87	7.56	8.21	8.85	9.32	9.73	10.39	11.31	12.47	13.37	15.70	20.94	33.66
25	6.24	8.03	8.71	9.40	9.88	10.32	11.23	11.99	13.29	14.13	16.64	22.13	35.22
40	7.02	9.03	9.77	10.54	11.05	11.54	12.56	13.41	15.72	18.82	24.63	35.99	
50	7.39	9.50	10.27	11.08	11.60	12.12	13.19	14.09	15.44	16.42	19.55	25.00	39.95
100	8.51	10.90	11.37	12.46	13.32	13.71	15.13	16.10	17.66	18.78	22.44	29.42	45.52
200	9.58	12.45	13.43	14.43	15.06	15.69	17.17	18.23	19.67	20.97	25.31	33.10	49.97
1000	12.33	15.87	16.96	18.30	18.95	19.80	21.84	23.01	24.94	31.94	41.21	58.97	
10000	16.14	20.76	22.08	23.62	24.55	25.64	27.90	29.69	32.13	33.70	41.36	52.78	72.73
PNP	27.35	35.19	38.28	41.32	43.58	45.52	49.94	52.91	58.48	62.65	73.44	98.46	153.01

MEAN	2.577	3.315	3.607	3.692	4.106	4.288	4.667	4.984	5.507	5.922	6.918	9.275	16.409
CLOCK HRS COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.229	1.228	1.247	1.386	1.296	1.275	1.437	1.663	1.397	1.242	1.759	1.142	.933
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.860	1.800	1.800	1.700	1.600	1.600	1.600	1.600	1.100
USED SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600	1.100

KURTOSIS	9.516	4.507	4.743	5.107	A.572	4.305	5.478	6.003	5.901	5.205	3.897	4.426	3.134
N	43	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1927	1927	1927	1927	1927	1927	1922	1922	1922	1922	1922	1969	1937
RECORD MAXIMUM	7,000	6,200	9,450	10,590	10,590	10,690	13,470	14,600	15,450	16,190	16,310	22,400	30,180
NORMALIZED MAX	3,446	3,044	3,266	3,320	2,975	2,887	3,583	3,701	3,728	3,653	3,089	3,042	2,269
CALC., COEF., VAR	.498	.484	.496	.518	.531	.517	.526	.510	.484	.475	.439	.465	.370
REGN., COEF., VAR	.661	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF., VAR	.661	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.1570	.2020	.2198	.2372	.2562	.2614	.2644	.3038	.3195	.3409	.4216	.5652	1.0000
RP10/A	.2882	.3707	.4044	.4365	.4616	.4621	.5246	.5603	.6203	.6684	.7777	.1.0468	.1.7442
RP25/A	.3864	.4894	.5307	.5727	.6020	.6286	.6843	.7308	.8043	.8613	.1.0144	.1.3489	.2.1465
RP50/A	.4562	.5791	.6257	.6755	.7071	.7385	.8037	.8584	.9411	.1.0040	.1.1916	.1.5724	.2.4346
RP100/A	.5191	.6889	.7202	.7744	.8044	.8476	.9224	.9742	.1.0763	.1.1761	.1.3293	.1.7928	.2.7131
RP1000/A	.7517	.9671	1.1335	1.4514	1.5184	1.6201	1.7030	1.7423	1.8423	1.9034	2.0463	2.5282	3.3560
RP10000/A	.9835	1.2652	1.3494	1.5159	1.6499	1.75624	1.7624	1.7659	1.8059	2.0539	2.5053	3.2166	4.4326
RPMP/A	1.6670	2.1445	2.3332	2.5180	2.6562	2.7747	3.0170	3.2244	3.5023	3.8310	4.4754	6.0000	9.3250

## PRECIPITATION DEPTN=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
85 ORDER SUB X19 1250 0 CABAZON 1815 16 035 02E 5 33.917 116.783 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.69	2.09	2.29	2.46	2.68	2.78	2.97	3.17	3.45	3.75	4.44	6.06	10.51
5	2.03	3.41	3.04	4.24	4.61	4.76	5.47	5.93	6.41	7.65	10.42	16.50	
10	3.86	6.77	5.20	5.57	6.03	6.25	6.69	7.14	7.70	8.29	9.99	13.46	20.36
20	6.79	6.92	6.42	6.89	7.62	7.69	8.24	8.78	9.43	10.10	12.29	16.41	23.95
25	5.10	6.29	6.02	7.31	7.66	8.15	8.73	9.31	10.68	11.33	13.73	17.35	23.06
40	5.73	7.08	7.64	8.26	8.79	9.11	9.77	10.41	11.13	11.66	14.57	19.30	25.61
50	6.03	7.45	6.94	6.65	9.23	9.37	10.26	10.94	11.46	12.45	15.30	20.22	26.42
100	6.90	8.76	10.47	11.95	11.95	11.39	12.75	13.86	15.03	15.12	19.81	25.05	31.68
200	7.99	10.76	12.44	13.28	14.24	15.08	15.63	17.87	18.67	19.68	20.00	23.29	31.84
1000	16.07	12.44	13.28	14.24	15.08	15.63	17.87	18.67	20.00	21.69	25.46	32.37	41.75
10000	13.17	16.27	17.28	18.54	19.53	20.24	21.69	23.14	24.36	25.46	32.37	41.37	51.75
PNP	22.33	27.58	29.97	32.15	34.68	35.95	38.52	41.06	44.21	47.50	57.48	77.16	108.87

MEAN	2.103	2.598	2.623	3.026	3.366	3.629	3.670	4.164	4.474	5.415	7.269	11.77	
CLOCK HRS COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.506	1.865	1.679	1.368	1.120	1.153	1.225	1.384	1.397	1.351	1.145	1.818	1.154
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600	1.100
USED SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600	1.100

KURTOSIS	6.323	7.737	7.005	5.913	4.801	5.129	5.390	6.377	6.097	4.756	4.849	7.803	6.466
N	29	29	29	28	29	29	29	29	29	29	29	29	31
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1969	1969
RECORD MAXIMUM	4,830	7,430	6,210	8,610	9,190	10,140	11,490	12,070	12,070	13,750	22,660	26,110	
NORMALIZED MAX	2,631	3,114	3,107	3,136	2,886	3,034	3,106	3,313	3,130	2,662	2,641	3,517	2,626
CALC., COEF., VAR	.493	.597	.599	.588	.566	.565	.576	.594	.605	.593	.602	.498	
REGN., COEF., VAR	.661	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF., VAR	.661	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.1602	.2225	.2416	.2594	.2799	.2906	.3106	.3315	.3567	.3632	.4636	.6226	1.0000
RP10/A	.3306	.4053	.4450	.4773	.5162	.5350	.5733	.6114	.6594	.7097	.8555	1.1529	.1.742
RP25/A	.4364	.5396	.5639	.6263	.6733	.6976	.7676	.7975	.8548	.9146	.1.1158	.1.6857	.2.1465
RP50/A	.5165	.6379	.6764	.7504	.7846	.8196	.8784	.9329	.1.0003	.1.0661	.1.1606	.1.7310	.2.4346
RP100/A	.5936	.7167	.7501	.7966	.8376	.8764	.9284	.9804	.1.0003	.1.0661	.1.1606	.1.7310	.2.4346
RP1000/A	.6624	1.0561	1.1373	1.2196	1.2919	1.3309	1.3493	1.3502	1.3502	1.4227	2.1411	2.7659	.5.938
RP10000/A	1.1264	1.3936	1.4002	1.5877	1.6730	1.7339	1.8582	1.9816	1.9816	2.0113	2.		

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 1587 S	STATION NAME CATHEDRAL CITY SOF	ELEV 320	SEC 33	TWP 045	RNG LOT 05E	BMM 5	LATITUDE 33°78'	LONGITUDE 116°46'	COUNTY 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.87	.97	.98	1.00	1.08	1.11	1.15	1.19	1.34	1.49	1.95	3.15	
5	1.50	1.68	1.70	1.73	1.85	1.92	1.98	2.06	2.09	2.29	2.57	3.34	4.95
10	1.98	2.21	2.23	2.27	2.42	2.51	2.58	2.66	2.96	3.36	4.32	6.11	
20	2.47	2.71	2.74	2.80	2.94	3.00	3.18	3.26	3.25	3.61	4.14	5.45	7.18
25	2.62	2.92	2.93	2.98	3.16	3.27	3.47	3.56	3.45	3.82	4.39	5.56	7.52
30	2.95	3.29	3.28	3.34	3.53	3.66	3.77	3.92	3.65	4.25	4.91	6.19	7.68
50	3.10	3.46	3.45	3.51	3.71	3.84	3.96	4.11	4.04	4.45	5.15	6.49	8.52
100	3.56	4.00	3.97	4.05	4.26	4.40	4.54	4.72	4.62	5.07	5.91	7.40	9.50
200	4.06	4.53	4.49	4.58	4.80	4.97	5.12	5.32	5.20	5.69	6.67	8.29	10.45
1000	5.18	5.78	5.70	5.80	6.06	6.27	6.46	6.72	6.53	7.10	8.42	10.36	12.58
10000	6.77	7.55	7.42	7.55	7.85	8.12	8.37	8.70	8.40	9.10	10.90	13.27	15.52
PMP	11.48	12.61	12.87	13.10	13.94	14.42	14.80	15.45	15.29	16.97	19.35	24.75	32.65

MEAN	1.082	1.207	1.212	1.234	1.313	1.358	1.400	1.455	1.440	1.599	1.823	2.332	3.502
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.397	.660	.526	.369	.392	.335	.761	.865	.659	.737	.731	.823	.564
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.880	1.880	1.800	1.700	1.600	1.800	1.800	1.800	1.800
SKEW USED	2.000	2.000	1.900	1.900	1.880	1.880	1.800	1.700	1.600	1.800	1.800	1.800	1.800
KURTOSIS	5.356	3.312	2.992	2.825	2.713	2.814	3.742	4.341	3.493	3.454	3.394	3.498	2.413
N	26	26	26	26	25	25	25	25	24	25	26	26	26
RECORD YEAR	1966	1966	1968	1968	1974	1974	1966	1966	1968	1968	1966	1966	1966
RECORD MAXIMUM	2.640	2.600	2.000	2.000	2.700	2.700	3.200	3.500	3.000	3.000	4.700	7.300	
NORMALIZED MAX	2.153	2.151	2.162	2.174	1.991	2.599	2.774	2.441	2.256	2.411	3.355	1.889	
CALC. COEF. VAR	.625	.552	.545	.524	.540	.557	.553	.551	.537	.560	.579	.622	.594
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3080	.3447	.3461	.3585	.3780	.3875	.3997	.4156	.4114	.4546	.5207	.6650	1.0000
RP10/A	.6255	.6325	.6459	.6486	.6917	.7071	.7373	.7766	.7766	.8456	.9604	.9331	.7442
RP25/A	.7483	.8050	.8057	.8510	.9022	.9333	.9617	.9999	.9895	.1.0896	.1.2926	.1.5890	2.1465
RP50/A	.6855	.9882	.9853	1.0034	1.0596	1.0924	1.1295	1.1744	1.1536	1.2701	1.4713	1.8523	2.4346
RP100/A	1.0226	1.1413	1.1344	1.1552	1.2161	1.2580	1.2963	1.3478	1.3196	1.4042	1.6885	2.1119	2.7131
RP1000/A	1.4787	1.6501	1.6276	1.6574	1.7311	1.7907	1.8452	1.9185	1.8635	2.0205	2.4036	2.9982	3.9588
RP10000/A	1.9367	2.1589	2.1186	2.1576	2.2417	2.3190	2.3899	2.4845	2.4003	2.5955	3.1125	3.7894	4.4326
RPMP/A	3.2792	3.6592	3.6742	3.7415	3.9864	4.1176	4.2429	4.4115	4.3667	4.8468	5.5267	7.0681	9.3250

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 2405 0	STATION NAME DESERT HOT SPRINGS	ELEV 1080	SEC 30	TWP 025	RNG LOT 05E	BMM 5	LATITUDE 33°96'	LONGITUDE 116°50'	COUNTY 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.94	1.08	1.11	1.15	1.20	1.24	1.31	1.35	1.41	1.54	1.74	2.28	3.70
5	1.63	1.86	1.93	1.99	2.06	2.13	2.26	2.33	2.43	2.54	3.00	3.40	5.81
10	2.15	2.45	2.53	2.62	2.74	2.84	2.94	3.04	3.15	3.34	3.92	5.04	7.17
20	2.47	2.81	3.13	3.24	3.32	3.43	3.63	3.74	3.86	4.18	4.82	6.15	8.43
25	2.83	3.25	3.32	3.43	3.52	3.63	3.84	3.97	4.09	4.40	5.11	6.50	8.62
40	3.19	3.65	3.72	3.85	3.93	4.00	4.30	4.46	4.56	4.89	5.72	7.23	9.01
50	3.35	3.81	3.91	4.05	4.13	4.27	4.52	4.66	4.78	5.13	6.00	7.57	10.01
100	3.87	4.44	4.50	4.66	4.74	4.96	5.18	5.35	5.47	5.84	6.89	8.63	11.15
200	4.39	5.03	5.09	5.27	5.35	5.52	5.86	6.03	6.15	6.56	7.47	8.27	10.77
500	5.60	6.41	6.46	6.46	6.41	6.41	7.08	7.08	7.01	7.19	8.81	12.09	14.77
1000	7.33	8.09	8.10	8.74	9.03	9.55	9.55	9.56	9.95	10.49	12.70	15.49	16.22
PMP	12.42	14.42	14.59	15.10	15.52	16.03	16.96	17.51	18.10	19.55	22.55	28.89	34.33
MEAN	1.170	1.340	1.374	1.422	1.462	1.510	1.598	1.649	1.705	1.843	2.124	2.782	4.110
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.072	.562	.366	1.003	.927	.757	1.031	1.160	1.004	1.119	.733	.563	.537
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.880	1.880	1.800	1.700	1.600	1.800	1.800	1.800	1.800
SKEW USED	2.000	2.000	1.900	1.900	1.880	1.880	1.800	1.700	1.600	1.800	1.800	1.800	1.800
KURTOSIS	4.084	4.015	3.606	5.177	4.826	4.612	5.205	4.522	3.162	3.960	6.402	2.839	
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1958	1958	1974	1974	1974	1966	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	2.070	2.300	2.700	3.000	3.200	3.600	4.000	4.000	4.040	4.040	4.790	7.450	8.330
NORMALIZED MAX	1.885	2.266	2.248	2.823	2.789	2.721	2.731	2.957	2.795	2.601	2.667	3.219	2.256
CALC. COEF. VAR	.417	.392	.387	.643	.426	.411	.472	.490	.490	.497	.471	.540	.455
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2846	.3260	.3343	.3460	.3597	.3674	.3888	.4013	.4149	.4483	.5168	.6623	1.0000
RP10/A	.5223	.5982	.6151	.6367	.6561	.6777	.7172	.7402	.7670	.8303	.9533	1.2264	1.7442
RP25/A	.6895	.7897	.8072	.8354	.8557	.8939	.9395	.9654	.9964	.1.0599	.1.2435	.1.5805	2+.1665
RP50/A	.8159	.9346	.9571	.9850	1.0051	1.0382	1.0968	1.1399	1.1635	1.2472	1.4465	1.8423	2+.3466
RP100/A	.9424	1.0794	1.0957	1.1340	1.1534	1.1915	1.2610	1.3014	1.3310	1.4220	1.6762	2.1083	2.7131
RP1000/A	1.3625	1.5604	1.5719	1.6270	1.6419	1.6960	1.7950	1.8825	1.8707	1.9919	2.3860	2.9863	3.5938
RP10000/A	1.7826	2.0418	2.0662	2.1179	2.1262	2.1963	2.3245	2.3989	2.4211	2.5515	3.0899	3.7669	4+.4626
RPMP/A	3.0213	3.4608	3.5487	3.6729	3.7754	3.8999	4.1274	4.2955	4.4045	4.7592	5.0463	7.0300	9.3230

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB X19 4258 11 INDO SFO 8 26 059 07E S 33°71'33" 116°22'33" CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.66	.73	.70	.74	.75	.76	.86	.90	.94	1.02	1.29	2.14	
5	1.15	1.26	1.21	1.27	1.30	1.31	1.38	1.46	1.54	1.61	1.76	2.21	3.38
10	1.52	1.57	1.50	1.57	1.69	1.70	1.81	1.94	2.04	2.08	2.10	2.38	4.14
20	1.88	2.07	1.97	2.07	2.09	2.19	2.29	2.45	2.64	2.83	3.48	4.07	
40	2.25	2.47	2.34	2.46	2.47	2.49	2.63	2.83	2.90	2.99	3.35	4.09	5.21
50	2.37	2.60	2.46	2.59	2.59	2.61	2.77	2.97	3.00	3.13	3.52	4.29	5.78
100	2.73	3.01	2.83	2.99	2.98	3.00	3.17	3.41	3.47	3.57	4.04	4.69	6.44
200	3.10	3.41	3.20	3.37	3.36	3.38	3.58	3.84	3.91	4.00	4.56	5.48	7.09
1000	3.95	4.35	4.00	4.24	4.24	4.27	4.32	4.45	4.52	4.60	5.75	6.95	8.53
10000	5.17	5.69	5.09	5.37	5.38	5.52	5.65	6.28	6.32	6.40	8.43	10.52	
PPM	8.77	9.64	9.17	9.65	9.74	9.81	10.39	11.15	11.50	11.94	13.22	16.36	22.14

MEAN	.826	.909	.864	.909	.917	.924	.979	1.050	1.083	1.125	1.246	1.541	2.374
CLOCK NR.	1.140	1.070	1.060	1.040	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	+2.02	+1.84	+1.850	+1.599	+1.489	+1.473	+1.311	+1.017	+1.060	+1.061	+1.181	+1.309	
REGIONAL SKEW	2,000	2,000	1,900	1,900	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
SKEW USED	2,000	2,000	1,900	1,900	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800

KURTOSIS	2.640	7.057	9.108	6.072	6.038	5.169	3.679	3.705	3.200	2.990	4.383	2.668	
N	24	24	23	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
RECORD MAXIMUM	1,560	2,500	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	4,100	5,010	
NORMALIZED MAX	1,586	2,953	3,300	2,879	2,879	2,797	2,797	2,449	2,377	2,093	3,915	2,322	
CALC. COEF. VAR	.560	.593	.609	.643	.637	.631	.626	.643	.635	.630	.676	.646	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	

MEAN/A	.3479	.3827	.3540	.3831	.3864	.3893	.4122	.4423	.4561	.4737	.5247	.6439	1.0000
RP10/A	.6384	.7023	.6697	.7049	.7128	.7180	.7604	.8158	.8432	.8772	.9679	1.2022	1.7442
RP25/A	.8428	.9270	.8788	.9249	.9297	.9365	.9918	1.0640	1.0931	1.1304	1.2653	1.5492	2.1465
RP50/A	.9974	1.0971	1.0361	1.0905	1.0920	1.1000	1.1650	1.2490	1.2791	1.3176	1.4829	1.6058	2.4246
RP100/A	1.1519	1.2671	1.1929	1.2555	1.2531	1.2624	1.3370	1.4343	1.4632	1.5024	1.7018	2.0590	2.7131
RP1000/A	1.6655	1.8320	1.7116	1.8013	1.7839	1.7970	1.9031	2.0417	2.0662	2.1044	2.4225	2.8841	3.9538
RP10000/A	2.1799	2.3988	2.2278	2.3448	2.3101	2.3270	2.4645	2.6439	2.6614	2.6957	3.1370	3.6944	4.4326
PPM/A	3.6932	4.0624	3.8634	4.0664	4.1018	4.1319	4.3765	4.6946	4.8418	5.0281	5.5702	6.8910	9.3250

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB X19 4259 0 INDO 8 26 059 07E S 33°71'33" 116°22'33" CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.90	1.01	1.03	1.03	1.05	1.07	1.12	1.15	1.21	1.29	1.39	1.66	2.81
5	1.57	1.75	1.77	1.77	1.85	1.93	1.98	2.08	2.21	2.40	2.85	4.42	
10	2.07	2.31	2.34	2.35	2.36	2.41	2.52	2.58	2.71	2.86	3.13	3.45	
20	2.52	2.80	2.89	2.89	2.97	3.07	3.14	3.29	3.49	3.58	4.49		
25	2.73	3.04	3.07	3.06	3.08	3.14	3.29	3.41	3.51	3.69	4.49		
40	3.07	3.42	3.44	3.43	3.44	3.52	3.67	3.77	3.91	4.10	4.56	5.28	
50	3.23	3.60	3.62	3.60	3.62	3.69	3.86	3.96	4.11	4.30	4.79	5.53	
100	3.73	4.16	4.16	4.15	4.15	4.24	4.43	4.55	4.70	4.90	5.50	6.31	
200	4.23	4.72	4.71	4.69	4.68	4.78	5.00	5.12	5.28	5.50	6.20	7.07	
1000	5.39	6.02	5.97	5.95	5.91	6.03	6.30	6.46	6.63	6.87	7.83	8.83	
10000	7.66	7.87	7.77	7.75	7.65	7.81	8.18	8.37	8.54	8.80	10.14	11.31	
PPM	11.96	13.34	13.44	13.58	13.67	14.49	14.86	15.54	16.41	18.00	21.10	29.13	

MEAN	1.127	1.257	1.270	1.266	1.280	1.307	1.365	1.400	1.464	1.546	1.696	1.968	3.124
CLOCK NR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	3.449	2.805	2.595	2.513	2.446	2.306	2.109	1.698	2.114	2.133	1.740	1.098	
REGIONAL SKEW	2,000	2,000	1,900	1,900	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
SKW USED	2,000	2,000	1,900	1,900	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800

KURTOSIS	20.809	15.924	14.284	13.763	13.460	12.206	10.852	10.229	9.456	11.574	15.023	9.595	9.506
N	73	73	73	73	73	73	73	73	73	72	72	73	77
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940
RECORD MAXIMUM	6,450	8,769	6,191	6,000	6,000	6,700	6,500	6,500	6,500	7,660	8,969	8,600	11,500
MORALIZED MAX	5,138	5,169	5,191	5,265	5,299	5,153	5,030	4,955	4,834	5,130	5,538	4,897	4,112
CALC. COEF. VAR	.920	.850	.836	.827	.811	.813	.787	.768	.730	.768	.774	.632	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.3605	.4622	.4605	.4633	.4695	.4182	.4371	.4491	.4686	.4947	.5428	.6363	1.0000
RP10/A	.6617	.7581	.7486	.7430	.7584	.7714	.8062	.8265	.8662	.9182	.9013	1.1784	1.7442
RP25/A	.6734	.7944	.9846	.9786	.9863	.1,0062	.1,0515	.1,0763	.1,1230	.1,1807	.1,2027	.1,5186	2,1465
RP50/A	1.0337	1.1533	1.1571	1.1538	1.1573	1.1816	1.2351	1.2662	1.3140	1.3762	1.5340	1.7701	2,4346
RP100/A	1.1939	1.3318	1.3322	1.3284	1.3282	1.3563	1.4174	1.4531	1.5031	1.5692	1.7605	2,0103	2,7131
RP1000/A	1.7261	1.9459	1.9113	1.9039	1.8966	1.9307	2.0176	2.0564	2.1227	2.1900	2.5060	2,8270	3,5939
RP10000/A	2.2583	2.5192	2.4880	2.4809	2.4802	2.5002	2.6120	2.6766	2.7341	2.8155	3.2452	3,6213	4,4226
PPM/A	3.8276	4.2699	4.3147	4.3025	4.3473	4.4394	4.6393	4.7581	4.9740	4.2516	5.7822	6.7547	9.3290

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT OBTAINABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNO LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB X19 4782 11 L4 QUINTA SDF 85 06 065 16E 5 33.674 116.291 33

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	4D	50	60	80	100	150	200	300	600	3650
2	.76	.80	.78	.87	.89	.90	.92	.97	1.00	1.05	1.12	1.36	2.30
5	1.31	1.38	1.35	1.50	1.54	1.56	1.59	1.67	1.72	1.79	1.93	2.33	3.61
10	1.73	1.62	1.78	1.98	2.01	2.04	2.08	2.18	2.23	2.31	2.53	3.01	4.65
20	2.14	2.26	2.20	2.43	2.48	2.51	2.56	2.69	2.73	2.82	3.11	3.67	5.24
25	2.28	2.40	2.33	2.58	2.62	2.66	2.71	2.85	2.89	2.98	3.29	3.68	5.48
40	2.56	2.70	2.62	2.89	2.93	2.97	3.03	3.19	3.23	3.32	3.68	4.32	5.60
50	2.70	2.85	2.75	3.00	3.08	3.12	3.18	3.35	3.39	3.47	3.87	4.53	6.22
100	3.11	3.24	3.17	3.50	3.56	3.58	3.65	3.84	3.87	3.96	4.44	5.16	6.93
200	3.33	3.73	3.58	3.90	3.99	4.04	4.12	4.32	4.43	4.44	5.01	5.79	6.82
1000	4.50	4.75	4.55	5.02	5.03	5.09	5.20	5.47	5.55	6.32	7.23	9.18	
10000	5.89	8.22	5.92	6.53	6.52	6.60	6.73	7.08	7.04	7.11	8.18	9.26	11.32
PMP	9.98	10.54	10.26	11.33	11.57	11.72	11.96	12.57	12.82	13.26	14.53	17.27	23.82

CLOCK HR, CALCULATED REGIONAL SKW	COR., SKW	MEAN	.941	.993	.967	1.087	1.090	1.104	1.126	1.185	1.207	1.249	1.369	1.827	2.554
		N	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.130	1.013	1.723	1.754	1.652	1.653	1.436	1.126	1.073	1.091	1.098	1.203	1.094			
2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800

KURTOSIS	N	MEAN	4.483	3.798	7.141	8.112	5.941	5.982	5.038	4.004	3.459	3.555	3.392	4.514	2.689
		COR.	.92	.23	.21	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
RECORD YEAR	1948	1948	1948	1948	1974	1974	1974	1974	1974	1974	1974	1974	1974	1966	1966
RECORD MAXIMUM	1.980	1.990	2.450	2.820	2.040	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	4.270	4.550
NORMALIZED MAX	1.984	2.068	2.981	2.764	2.795	2.795	2.705	2.524	2.401	2.329	2.200	2.776	1.868		
CALC. COEF. VAR	.563	.648	.515	.594	.574	.562	.562	.554	.563	.547	.488	.585	.418		
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555	

MEAN/A	RP10/A	RP25/A	RP50/A	RP100/A	RP1000/A	RP10000/A	PMP/A	MEAN/A	.3882	.3887	.3785	.4179	.4269	.4321	.4410	.4638	.4727	.4891	.5380	.6371	1.0000
								N	.8757	.7132	.6984	.7689	.7875	.7971	.8135	.8555	.8738	.9057	.9888	.1+1799	.1+7442
RECORD MAXIMUM	1.980	1.990	2.450	2.820	2.040	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	2.840	4.270	4.550
NORMALIZED MAX	1.984	2.068	2.981	2.764	2.605	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602	2.602
CALC. COEF. VAR	.563	.648	.515	.594	.574	.562	.562	.554	.563	.547	.488	.585	.418	.555							
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641

STATION NO. 85N ORDER SUB X19 5883 0	STATION NAME MORONGO VALLEY	ELEV 2580	SEC 28	TWP 015	RNO 04E	LOT 5	BWM 34-050	LATITUDE 34°05'07"	LONGITUDE 116°56'57"	COUNTY CODE 36	PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE					
											10	20	30	4D	50	
2	1.82	2.08	2.17	2.26	2.33	2.45	2.70	2.77	2.92	3.12	3.56	4.50	7.26			
5	3.15	3.40	3.75	3.91	4.01	4.24	4.65	5.07	5.36	5.64	6.14	7.70	11.41			
10	4.16	4.75	4.93	5.13	5.24	5.54	6.07	6.23	6.52	6.90	7.95	9.95	14.07			
20	5.16	5.90	6.05	6.34	6.45	6.82	7.47	7.67	7.95	8.41	9.87	12.13	16.55			
25	5.49	6.27	6.47	6.73	6.83	7.22	7.92	8.13	8.46	8.89	10.46	12.82	17.32			
40	6.17	7.04	7.25	7.55	7.66	8.08	8.85	9.09	9.44	9.89	11.70	14.27	17.69			
50	6.49	7.41	7.63	7.93	8.02	8.49	9.30	9.50	9.86	10.36	12.29	15.95	19.49			
100	7.50	8.50	8.74	9.21	9.74	10.87	11.95	12.36	13.24	14.21	15.91	17.42	21.09			
200	8.71	9.71	9.93	10.13	10.69	11.84	13.04	13.66	14.36	15.25	16.92	19.12	24.08			
1000	10.84	12.38	12.60	13.10	13.11	13.19	14.59	15.50	15.99	16.85	20.08	23.87	28.99			
10000	14.18	16.20	16.40	17.06	16.97	17.95	19.67	20.19	20.59	21.20	26.00	30.58	37.56			
PMP	24.04	27.46	28.43	29.58	30.14	31.87	34.93	35.85	37.47	39.54	46.17	57.03	75.23			

KURTOSIS	N	MEAN	2.265	2.587	2.670	2.787	2.839	3.003	3.290	3.377	3.530	3.725	4.350	5.373	8.088	
		COR.	.92	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23		
RECORD YEAR	1966	1968	1968	1966	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.310	7.430	7.430	7.430	8.220	9.290	10.010	10.470	11.230	12.090	13.110	16.540	20.730			
NORMALIZED MAX	2.937	2.599	2.557	2.407	2.605	2.602	2.602	2.746	2.843	2.874	2.811	2.947	2.925			
CALC. COEF. VAR	.758	.720	.694	.692	.727	.731	.767	.765	.767	.777	.716	.705	.556			
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641

MEAN/A	RP10/A	RP25/A	RP50/A	RP100/A	RP1000/A	RP10000/A	PMP/A	MEAN/A	.2607	.3206	.3320	.3454	.3519	.3722	.4078	.4186	.4375	.4617	.5391	.6660	1.0000
N	.5151	.5893	.6108	.6356	.6492	.6665	.7523	.7722	.8087	.8551	.9943	1.2333	1.7442								




<tbl\_r cells="15" ix="4" maxcspan="1" maxrspan

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
X19 6633 1 STATION NAME PALM DESERT SOF ELEV 275 SEC 19 TWP 055 RNG 06E LOT 5 LATITUDE 33.719 LONGITUDE 116.393 COUNTY CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.76	.82	.84	.87	.90	.91	.95	1.00	1.05	1.14	1.22	1.55	2.67
5	1.32	1.43	1.46	1.50	1.54	1.57	1.63	1.73	1.81	1.95	2.11	2.66	4.19
10	1.74	1.88	1.91	1.96	2.02	2.05	2.14	2.26	2.35	2.62	2.75	3.43	5.17
20	2.16	2.34	2.36	2.43	2.48	2.53	2.63	2.78	2.88	3.08	3.39	4.18	6.08
25	2.29	2.48	2.51	2.58	2.63	2.68	2.78	2.95	3.05	3.25	3.59	4.42	6.36
40	2.58	2.79	2.81	2.89	2.94	3.00	3.11	3.30	3.40	3.62	4.01	4.92	6.50
50	2.71	2.94	2.95	3.04	3.09	3.15	3.27	3.47	3.59	3.79	4.21	5.15	7.21
100	3.13	3.40	3.40	3.50	3.59	3.61	3.78	3.87	4.08	4.32	4.54	5.69	8.04
200	3.55	3.85	3.85	3.96	4.00	4.07	4.24	4.49	4.59	4.65	5.46	6.59	8.84
1000	4.53	4.91	4.88	5.02	5.05	5.14	5.30	5.66	5.76	6.06	6.88	8.23	10.55
10000	5.92	6.42	6.38	6.53	6.54	6.66	6.92	7.33	7.42	7.76	8.92	10.54	13.13
PMP	10.04	10.89	11.02	11.33	11.61	11.82	12.29	13.02	13.49	14.47	15.83	19.67	27.62

MEAN	1.946	1.026	1.038	1.067	1.093	1.114	1.157	1.226	1.271	1.363	1.491	1.853	2.982
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.870	.456	.252	.415	.383	.391	.124	1.162	1.022	1.093	.941	1.339	.914
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100

KURTOSIS	3.424	2.850	2.763	2.798	2.762	2.861	4.631	4.993	4.601	4.366	4.307	5.69	4.546
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1952	1952	1952	1974	1952	1952	1956	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	2.000	2.000	2.000	2.240	2.250	2.250	3.070	3.350	3.300	3.360	3.830	5.390	7.250
NORMALIZED MAX	1.806	1.785	1.814	2.016	1.920	1.939	2.794	2.908	2.826	2.428	2.638	3.010	2.600
CALC. COEF. VAR	.617	.532	.511	.545	.551	.526	.591	.596	.582	.604	.594	.557	.557
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.3193	.3463	.3505	.3603	.3691	.3759	.3908	.4140	.4290	.4601	.5034	.6205	1.0000
RP10/A	.5859	.6355	.6450	.6629	.6808	.6934	.7208	.7636	.7931	.8521	.9286	.1.1584	1.7442
RP25/A	.7734	.8389	.8463	.8699	.8800	.9044	.9902	.9960	1.0282	1.0981	1.2113	1.4928	2.1465
RP50/A	.9152	.9824	.9824	.9900	1.0258	1.0430	1.0623	1.1045	1.2031	1.2799	1.4227	1.7401	2.4346
RP100/A	1.0500	1.1474	1.1488	1.1488	1.1488	1.1488	1.2192	1.2420	1.3422	1.3763	1.4574	1.6327	1.9841
RP1000/A	1.5283	1.6578	1.6492	1.6491	1.7040	1.7040	1.8044	1.9011	1.9493	2.0442	2.3242	2.7791	3.5938
RP10000/A	1.9996	2.1690	2.1455	2.2052	2.2066	2.2474	2.3366	2.4749	2.5264	2.6885	3.097	3.5599	4.4326
RPMP/A	3.3891	3.6763	3.7208	3.8244	3.9181	3.9905	4.1480	4.3944	4.5952	4.8552	5.3441	6.4002	9.3250

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
X19 6635 0 STATION NAME PALM SPRINGS FIRE DEPT ELEV 41 SEC 13 TWP 045 RNG 04E LATITUDE 33.816 LONGITUDE 116.526 COUNTY CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.49	1.55	1.60	1.67	1.73	1.83	1.93	2.05	2.17	2.31	2.96	5.23
5	2.27	2.58	2.67	2.76	2.89	2.99	3.18	3.33	3.53	3.72	3.98	5.07	8.21
10	2.96	3.14	3.51	3.62	3.76	3.90	4.11	4.34	4.59	4.81	5.20	6.55	10.13
20	3.68	4.22	4.33	4.47	4.63	4.80	5.05	5.35	5.63	5.86	6.40	7.99	11.91
25	3.91	4.45	4.60	4.75	4.91	5.09	5.36	5.67	5.95	6.20	6.78	8.44	12.47
40	4.40	5.05	5.16	5.32	5.49	5.69	6.00	6.34	6.64	6.90	7.59	9.39	12.74
50	4.63	5.31	5.43	5.60	5.77	5.97	6.30	6.66	6.97	7.22	7.97	9.84	14.14
100	5.35	6.14	6.26	6.44	6.61	6.80	7.23	7.64	8.02	8.42	9.14	11.52	15.36
200	6.07	6.96	7.07	7.29	7.46	7.73	8.05	8.42	8.86	9.24	10.01	12.59	17.34
1000	7.73	8.87	8.96	9.25	9.42	9.76	10.29	10.87	11.25	11.54	13.01	15.72	20.88
10000	10.12	11.60	11.67	12.04	12.29	12.64	13.33	14.08	14.50	14.78	16.85	20.13	25.75
PMP	17.15	19.67	20.24	20.87	21.66	22.44	23.66	25.00	26.37	27.87	29.92	37.55	54.17

MEAN	1.616	1.653	1.906	1.965	2.040	2.114	2.229	2.355	2.484	2.597	2.819	3.538	6.009
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.798	2.032	1.841	1.599	1.428	1.796	1.929	1.768	1.632	1.540	1.386	1.366	1.105
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2,000	2,000	1,900	1,900	1,800	1,800	1,800	1,800	1,700	1,600	1,600	1,600	1,100

KURTOSIS	6.438	8.610	7.294	6.360	5.721	7.839	6.484	6.838	6.002	5.569	4.925	5.455	4.599
N	47	47	47	47	47	47	47	47	47	47	47	47	63
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1927
RECORD MAXIMUM	4.570	6.500	6.500	6.500	6.500	7.570	7.570	6.430	6.510	6.520	11.220	17.680	
NORMALIZED MAX	2.796	3.641	3.683	3.656	3.590	4.020	3.711	3.755	3.580	3.387	3.160	3.454	3.532
CALC. COEF. VAR	.654	.689	.654	.631	.609	.642	.666	.687	.678	.673	.640	.629	.579
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2781	.3190	.3282	.3385	.3513	.3640	.3938	.4055	.4277	.4471	.4853	.6090	1.0000
RP10/A	.5103	.5853	.6036	.6229	.6479	.6714	.7079	.7479	.7966	.8280	.8951	.1.1279	1.7442
RP25/A	.6737	.7727	.7924	.8174	.8451	.8757	.9234	.9755	.1.0250	.1.0670	.1.1675	1.4536	2.1465
RP50/A	.7973	.9144	.9342	.9637	.9826	1.0246	1.0585	1.1455	1.1994	1.2438	1.2113	1.6464	2.3436
RP100/A	.9206	1.0510	1.0710	1.1095	1.1300	1.1604	1.2416	1.3603	1.4633	1.5740	1.6927	2.1711	3.5528
RP1000/A	1.2629	1.3431	1.4216	1.4621	1.5023	1.6033	1.7171	1.8716	1.9375	2.0064	2.2043	2.7058	5.1528
RP10000/A	1.7410	1.9577	2.0087	2.0720	2.0999	2.1760	2.2943	2.4240	2.4956	2.5445	2.9011	3.4660	4.4326
RPMP/A	2.9523	3.3960	3.4935	3.7286	3.9637	4.0739	4.3040	4.5400	4.7461	5.1512	6.4550	9.3250	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB X19 6635 50 PALM SPRINGS FO NO 1 411 15 04S 04E S 33.926 116.845 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.33	1.53	1.58	1.74	1.81	1.89	1.95	2.06	2.11	2.27	2.44	3.07	5.11
5	2.31	2.64	2.73	3.01	3.12	3.26	3.36	3.45	3.62	3.88	4.20	5.26	8.03
10	3.05	3.49	3.59	3.95	4.07	4.26	4.39	4.51	4.71	5.01	5.48	6.80	9.91
20	3.78	4.33	4.43	4.88	5.01	5.24	5.41	5.54	5.76	6.11	6.75	8.29	11.65
25	4.02	4.61	4.71	5.18	5.31	5.55	5.73	5.88	6.10	6.46	7.15	8.77	12.19
40	4.52	5.18	5.28	5.81	5.94	6.11	6.31	6.57	6.81	7.15	8.00	9.75	12.46
50	4.76	5.45	5.55	6.11	6.24	6.52	6.73	6.90	7.14	7.33	8.10	10.22	13.93
100	5.50	6.29	6.39	7.04	7.16	7.46	7.72	7.92	8.17	8.59	9.54	11.81	15.41
200	6.13	7.14	7.23	7.98	8.08	8.44	8.71	8.93	9.19	9.63	10.87	13.07	16.95
1000	7.95	9.10	9.17	10.09	10.15	10.65	10.99	11.28	11.53	12.03	13.72	16.32	20.41
10000	10.60	11.91	11.93	13.13	13.20	13.79	14.24	14.60	14.85	15.40	17.77	20.90	25.18
PMP	17.62	20.16	20.69	22.78	23.44	24.49	25.28	25.93	27.02	28.72	31.55	38.99	52.97

MEAN	1.660	1.901	1.949	2.146	2.208	2.307	2.382	2.442	2.546	2.707	2.972	3.673	5.680
CLOCK MR. COR.	1.140	1.177	1.255	1.477	1.472	1.910	1.917	1.900	1.265	1.240	1.059	1.000	1.000
CALCULATED SKW	1.160	1.255	1.292	1.467	1.467	1.932	1.932	1.900	1.265	1.240	1.059	1.000	1.000
REGIONAL SKW	2.000	2.000	1.900	1.900	1.860	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKW USED	2.000	2.000	1.900	1.900	1.860	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100

KURTOSIS	4.982	4.019	5.070	3.245	5.044	5.290	4.350	4.203	3.889	3.437	3.166	3.242	3.048
N	38	38	38	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1938	1943	1943	1938	1938	1938	1938	1938	1938	1938	1943	1938	1937
RECORD MAXIMUM	4.580	4.850	5.730	6.700	6.700	6.700	6.700	6.750	7.130	7.130	7.580	9.400	13.640
NORMALIZED MAX	2.621	2.356	2.933	3.093	3.090	2.878	2.694	2.635	2.592	2.461	2.439	2.416	2.568
CALC. COEF. VAR	.671	.656	.661	.686	.658	.661	.673	.669	.695	.659	.636	.645	.541
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2923	.3347	.3432	.3778	.3888	.4062	.4193	.4300	.4482	.4766	.5232	.6466	1.0000
RP10/A	.5363	.6142	.6314	.6951	.7171	.7493	.7734	.7932	.8285	.8825	.9631	1.1975	1.7442
RP25/A	.7080	.8108	.8286	.9121	.9353	.9771	.10088	.10345	.10741	.11373	1.2582	1.5432	2.1495
RP50/A	.8370	.9591	.9754	.9974	.10754	.10981	.11479	.11749	.12151	.12525	.13285	.14285	2.0443
RP100/A	.9477	1.1822	1.1247	1.2151	1.2261	1.2408	1.2599	1.2772	1.3037	1.3378	1.3785	1.4698	2.0510
RP1000/A	1.3991	1.6923	1.6136	1.7733	1.7947	1.8173	1.9354	1.9851	2.0300	2.1172	2.1542	2.8728	3.5938
RP10000/A	1.8306	2.0963	2.1005	2.3123	2.3241	2.4285	2.5066	2.5705	2.6152	2.7121	3.1279	3.6800	4.4326
PMP/A	3.1026	3.5531	3.6427	4.0101	4.1267	4.3120	4.4508	4.5564	4.7577	5.0586	5.3539	6.8640	9.3250

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB X19 7279 0 RAYMOND FLAT 7070 31 015 02E S 34.047 116.823 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.10	5.31	5.86	6.46	6.74	6.96	7.56	8.02	9.06	9.68	10.81	15.44	29.35
5	7.24	9.18	10.13	11.16	11.61	12.00	13.03	14.14	15.57	16.91	18.63	26.43	46.09
10	9.55	12.12	13.30	14.65	15.16	15.67	17.02	18.46	20.23	21.86	24.33	34.15	56.86
20	11.86	15.05	16.44	18.11	18.66	19.29	20.94	22.72	24.78	26.65	29.95	41.64	66.87
25	12.61	16.00	17.45	19.22	19.77	20.44	22.20	24.08	26.23	28.17	31.74	44.01	69.97
40	14.17	17.99	19.57	21.58	22.12	22.80	24.83	26.81	28.79	31.34	35.71	51.60	71.30
50	14.92	18.80	20.47	22.32	23.22	24.20	26.27	28.30	30.39	32.37	37.29	51.30	73.37
100	17.32	21.87	24.58	26.09	26.65	27.35	29.92	32.46	35.10	37.44	42.78	58.49	86.44
200	19.54	24.80	26.79	29.52	30.07	31.08	33.75	36.61	39.49	42.00	48.26	65.61	97.29
1000	24.91	31.62	33.99	37.44	37.94	39.22	42.59	46.20	49.57	52.44	60.90	81.93	117.15
10000	32.59	41.36	44.23	48.73	49.13	50.79	55.16	59.83	63.85	67.18	78.87	104.95	144.50
PMP	55.25	70.11	76.70	84.51	87.24	90.19	97.93	106.24	116.16	125.31	140.04	195.76	303.99

MEAN	5.205	6.050	7.226	7.962	8.219	8.496	9.226	10.008	10.943	11.805	13.193	18.442	32.599
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.868	1.889	2.008	2.280	2.214	2.212	2.110	1.863	1.816	1.315	1.252	1.177	
REGIONAL SKW	2.000	2.000	1.900	1.900	1.860	1.800	1.800	1.700	1.700	1.600	1.600	1.600	1.100
SKW USED	2.000	2.000	1.900	1.900	1.860	1.800	1.800	1.700	1.600	1.600	1.600	1.600	1.100

KURTOSIS	6.833	6.758	7.612	9.029	8.929	9.191	8.074	6.734	6.798	5.109	5.079	4.301	3.923
N	28	28	28	28	28	28	28	28	28	28	28	28	47
RECORD YEAR	1930	1966	1938	1938	1938	1938	1966	1966	1938	1938	1938	1938	1969
RECORD MAXIMUM	13.500	16.500	18.050	22.650	23.700	24.200	24.240	26.900	29.570	29.570	31.130	41.010	74.540
NORMALIZED MAX	2.667	2.742	3.082	3.391	3.477	3.526	3.058	3.095	3.070	2.768	2.751	2.425	2.820
CALC. COEF. VAR	.596	.546	.522	.551	.542	.524	.532	.545	.554	.540	.549	.505	.565
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.1597	.2026	.2217	.2442	.2521	.2605	.2830	.3070	.3357	.3621	.4047	.5657	1.0000
RP10/A	.2930	.3716	.4679	.4494	.4655	.4807	.5220	.5653	.6205	.6765	.7047	.7442	1.0474
RP25/A	.3067	.4908	.5352	.5387	.5065	.5270	.5859	.6055	.6545	.6820	.7230	.7540	2.1458
RP50/A	.4577	.5626	.5702	.5724	.5625	.5625	.5876	.5876	.6413	.6773	.7140	.7577	2.3436
RP100/A	.5286	.7100	.7284	.8000</									

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
6SN ORDER SUB  
X19 8317 0 STATION NAME  
SNOW CREEK UPPER ELEV SEC TMP RNG LOT SWH LATITUDE LONGITUDE COUNTY  
1940 33 035 03E S 33.867 116.663 CODE  
33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.00	2.33	2.67	2.66	2.60	2.83	2.95	3.08	3.36	3.84	4.09	5.40	10.15
5	3.47	4.03	4.26	4.39	4.81	4.87	5.09	5.20	5.77	6.10	7.04	9.25	15.34
10	4.58	5.11	5.89	5.03	6.30	6.45	6.82	7.00	7.89	9.20	11.51	16.46	23.12
20	5.69	6.60	6.92	7.43	7.70	7.83	8.17	8.52	9.19	9.62	11.32	14.57	21.16
25	6.04	7.01	7.34	7.91	8.22	8.30	8.66	9.03	9.72	10.16	12.02	15.41	24.20
40	6.79	7.89	8.23	8.87	9.19	9.28	9.69	10.10	10.83	11.31	12.42	17.14	24.72
50	7.15	8.30	8.65	9.33	9.65	9.75	10.17	10.61	11.38	11.85	14.09	17.96	27.44
100	8.26	9.59	9.96	10.74	11.08	11.19	11.68	12.17	13.02	13.51	16.14	20.47	30.58
200	9.37	10.77	11.14	12.15	12.59	12.92	13.41	13.93	14.74	15.24	17.27	23.47	34.81
1000	11.94	13.86	14.30	16.41	17.92	18.62	19.33	19.84	21.92	23.02	26.68	34.81	48.81
10000	15.62	16.13	18.61	20.06	20.43	20.62	21.52	22.44	23.67	24.24	29.81	36.74	49.97
PMP	26.48	30.73	32.27	34.78	36.27	36.61	38.22	39.94	43.79	45.21	52.93	68.52	105.11

MEAN	2.495	2.895	3.040	3.277	3.417	3.449	3.600	3.753	4.087	4.259	4.987	6.455	11.272
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	2.900	2.814	1.800	1.685	1.560	1.540	2.170	2.048	1.948	1.821	1.599	1.440	1.100
REGIONAL SKW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.800	1.000	1.000	1.000
SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.800	1.000	1.000	1.000

KURTOSIS	14.209	7.432	6.603	5.938	5.672	7.379	9.162	10.487	8.001	6.406	6.186	4.073	
N	26	26	26	26	25	26	26	26	26	26	26	26	26
RECORD YEAR	1950	1956	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
RECORD MAXIMUM	9.500	9.700	9.700	10.500	10.500	11.950	13.600	14.530	14.710	15.710	19.630	27.480	27.480
NORMALIZED MAX	3.451	2.971	2.957	3.005	2.977	3.325	3.626	3.773	3.521	3.461	3.228	3.184	2.578
CALC. COEF. VAR	.814	.791	.741	.742	.705	.741	.769	.761	.746	.709	.640	.558	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2213	.2568	.2697	.2907	.3031	.3060	.3194	.3329	.3599	.3778	.4242	.5727	1.0000
RPI10/A	.4061	.4713	.4963	.5349	.5591	.5644	.5892	.6141	.6654	.6997	.8160	.1.0665	1.7442
RPI25/A	.5361	.6221	.6512	.7018	.7292	.7362	.7685	.8010	.8626	.9018	.1.0463	.1.3667	2.1465
RPI50/A	.6345	.7363	.7678	.8274	.8565	.8647	.9026	.9409	.1.0093	.1.0510	.1.2501	.1.5933	2.4346
RPI100/A	.7328	.8504	.8840	.9057	.9830	.9923	1.0358	1.0798	1.1546	1.1983	1.4346	1.8164	2.7131
RPI1000/A	1.0455	1.2295	1.2873	1.3366	1.3924	1.4123	1.4745	1.5170	1.6035	1.6785	2.0466	2.5442	3.5938
RPI10000/A	1.3861	1.6055	1.5599	1.7792	1.8200	1.8292	1.9074	1.9904	2.1002	2.1501	2.6446	3.2591	4.3226
RPM/A	2.3494	2.7264	2.8621	3.0855	3.2174	3.2480	3.3704	3.5342	3.8207	4.0103	4.6958	6.0790	9.3290

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
6SN ORDER SUB  
X19 8892 0 STATION NAME  
THERMAL A P ELEV SEC TMP RNG LOT SWH LATITUDE LONGITUDE COUNTY  
135 120 21 065 08E M S 33.634 116.162 CODE  
33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	.66	.73	.74	.76	.78	.80	.81	.84	.86	.93	1.02	1.28	2.03
5	1.17	1.26	1.28	1.31	1.34	1.37	1.39	1.45	1.47	1.50	1.62	1.80	2.15
10	1.54	1.66	1.68	1.72	1.75	1.79	1.92	1.89	1.91	1.94	2.07	2.29	3.93
20	1.92	2.06	2.08	2.12	2.16	2.20	2.24	2.33	2.34	2.52	2.82	3.46	4.62
25	2.04	2.19	2.20	2.25	2.29	2.30	2.37	2.46	2.48	2.65	2.99	3.66	4.83
40	2.29	2.47	2.47	2.52	2.56	2.61	2.66	2.76	2.77	2.95	3.35	4.07	4.94
50	2.41	2.60	2.60	2.65	2.69	2.74	2.79	2.89	2.90	3.10	3.51	4.27	5.47
100	2.71	3.00	3.00	3.05	3.08	3.15	3.20	3.32	3.32	3.54	4.03	4.86	6.11
200	3.16	3.40	3.40	3.48	3.56	3.68	3.85	3.95	3.95	4.37	5.04	5.86	7.52
1000	4.03	4.33	4.29	4.38	4.39	4.46	4.55	4.73	4.69	4.96	5.74	6.81	8.09
10000	5.27	5.67	5.59	5.71	5.68	5.80	5.94	6.12	6.04	6.35	7.44	8.73	9.98
PMP	8.93	9.61	9.69	9.89	10.09	10.30	10.47	10.87	10.98	11.64	13.20	16.28	20.99

MEAN	.841	.905	.913	.932	.951	.971	.987	1.024	1.035	1.106	1.244	1.534	2.280
CLOCK NR. COR.	1.140	1.070	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.640	.710	.656	1.123	1.220	1.127	1.091	.955	.809	.864	.367	.160	.174
REGIONAL SKW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.000	1.000	1.000
SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.000	1.000	1.000

KURTOSIS	2.508	2.725	2.650	4.257	4.425	4.703	4.598	3.644	3.493	2.623	2.539	2.587	2.048
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1974	1974	1952	1974	1974	1974	1974	1974	1974	1974	1966	1966	1966
RECORD MAXIMUM	1.460	1.610	1.710	2.210	2.360	2.360	2.360	2.360	2.360	2.360	2.430	3.430	4.000
NORMALIZED MAX	1.518	1.598	1.786	2.548	2.754	2.701	2.720	2.515	2.470	2.145	1.978	2.090	1.697
CALC. COEF. VAR	.848	.487	.499	.538	.538	.530	.512	.519	.519	.520	.508	.592	.458
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.3739	.4023	.4036	.4142	.4225	.4313	.4384	.4551	.4598	.4958	.5527	.6815	1.0000
RPI10/A	.6861	.7383	.7463	.7621	.7793	.7958	.8087	.8395	.8499	.9161	.1.0195	1.2622	1.7442
RPI25/A	.9057	.9746	.9792	1.0000	1.0165	1.0376	1.0546	1.0950	1.1019	1.1397	1.2625	1.2625	.4165
RPI50/A	1.0718	1.1533	1.1545	1.1790	1.1940	1.2187	1.2389	1.2662	1.2894	1.3791	1.5618	1.8959	2.346
RPI100/A	1.2526	1.3322	1.3329	1.3574	1.4002	1.3988	1.4219	1.4701	1.5724	1.7928	2.1617	2.1731	
RPI1000/A	1.8896	1.9559	1.9565	1.9582	2.0000	2.0200	2.0500	2.0800	2.0920	2.1200	2.1600	2.1600	3.0338
RPI10000/A	2.3416	2.5197	2.4924	2.5351	2.5358	2.5782	2.5782	2.7209	2.6829	2.7404	3.0401	3.7867	4.320
RPM/A	3.9688	4.2707	4.3051	4.									

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X19 8892 1 THERMAL AIRPORT SDF ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY CODE  
118 20 065 08E S 33.635 116.171 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.70	.72	.73	.74	.76	.78	.77	.81	.83	.88	.94	1.15	1.85
5	1.21	1.25	1.25	1.28	1.31	1.33	1.33	1.40	1.43	1.51	1.62	1.97	2.90
10	1.59	1.65	1.64	1.68	1.70	1.71	1.74	1.83	1.86	2.02	2.12	2.55	3.59
20	1.98	2.05	2.03	2.07	2.10	2.11	2.14	2.25	2.27	2.38	2.60	3.11	4.21
25	2.10	2.18	2.18	2.20	2.22	2.24	2.27	2.38	2.41	2.51	2.76	3.29	4.41
40	2.36	2.45	2.42	2.47	2.49	2.50	2.54	2.66	2.68	2.79	3.09	3.66	4.51
50	2.49	2.56	2.54	2.59	2.61	2.63	2.67	2.80	2.82	2.93	3.24	3.83	5.00
100	2.87	2.96	2.97	2.99	3.00	3.01	3.06	3.21	3.25	3.34	3.72	4.37	5.57
200	3.36	3.43	3.41	3.48	3.49	3.48	3.64	3.73	3.72	3.74	4.00	4.50	6.13
1000	4.15	4.31	4.20	4.48	4.57	4.59	4.36	4.57	4.95	4.57	8.30	6.12	7.30
10000	5.43	5.64	5.47	5.58	5.52	5.55	5.65	5.97	5.86	5.99	6.86	7.84	9.11
PMP	9.21	9.56	9.49	9.57	9.81	9.86	10.03	10.50	10.66	11.17	12.18	14.62	19.16

MEAN	.867	.901	.894	.911	.924	.929	.945	.990	1.004	1.052	1.147	1.377	2.055
CLOCK HR. COR.	1.140	1.670	1.690	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.083	1.098	1.873	1.839	1.641	1.647	1.571	1.243	1.172	.945	.940	.926	.161
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.600	1.600	1.800	1.800	1.700	1.600	1.800	1.600	1.100
USED SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100

KURTOSIS	5.282	4.256	4.035	8.088	7.151	7.207	7.012	5.337	4.998	4.012	3.667	3.211	2.486
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974
RECORDED MAX	1.970	1.970	1.970	2.730	2.750	2.750	2.750	2.750	2.750	2.750	2.750	3.100	3.880
NORMALIZED MAX	2.350	2.315	2.322	3.300	3.236	3.242	3.262	3.001	2.912	2.727	2.408	2.238	1.809
CALC. COEF. VAR	.541	.512	.510	.612	.611	.604	.586	.593	.597	.592	.581	.624	.491
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.4222	.4305	.4351	.4345	.4498	.4523	.4597	.4816	.4887	.5121	.5583	4.0000	
RP10/A	.7746	.8047	.8009	.8161	.8297	.8342	.8480	.8804	.9035	.9483	1.0298	1.2412	1.7442
RP25/A	1.0226	1.0223	1.0504	1.0708	1.0822	1.0881	1.1061	1.1588	1.1713	1.2220	1.3432	1.5995	2.1465
RP50/A	1.2101	1.2571	1.2386	1.2625	1.2711	1.2789	1.2991	1.3611	1.3706	1.4244	1.5777	1.8845	2.4346
RP100/A	1.3977	1.4520	1.4260	1.4535	1.4557	1.4667	1.4910	1.5620	1.5678	1.6241	1.8106	2.1259	2.7131
RP1000/A	2.0208	2.0932	2.0459	2.0894	2.0845	2.0978	2.1224	2.2035	2.2140	2.2750	2.3748	2.9777	3.5938
RP10000/A	2.6439	2.6445	2.6632	2.7146	2.5990	2.7037	2.7484	2.8799	2.8518	2.9141	3.3377	3.8144	4.4326
PMP/A	4.4812	4.6552	4.1817	4.7077	4.7746	4.8007	5.1127	5.1880	5.4356	5.3264	7.1147	9.3250	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
X22 963 0 BORREGO DESERT PARK ELEV SEC TWP RND LOT BWM LATITUDE LONGITUDE COUNTY CODE  
750 25 105 05E S 33.000 116.000 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.98	1.09	1.10	1.17	1.21	1.22	1.27	1.30	1.45	1.63	1.81	2.34	4.40
5	1.49	1.59	1.60	1.70	1.70	1.70	1.78	1.86	2.00	2.19	2.34	3.01	5.91
10	2.23	2.49	2.50	2.65	2.73	2.76	2.85	2.92	3.12	3.40	3.60	4.07	5.18
20	2.77	3.09	3.10	3.27	3.30	3.39	3.50	3.59	3.96	4.39	5.00	6.32	10.03
25	2.95	3.29	3.29	3.48	3.56	3.59	3.71	3.80	4.19	4.64	5.30	6.68	10.50
40	3.31	3.69	3.68	3.90	3.98	4.02	4.15	4.25	4.67	5.17	5.93	7.43	10.73
50	3.49	3.89	3.87	4.10	4.18	4.22	4.34	4.47	4.90	5.41	6.23	7.79	11.91
100	4.03	4.45	4.46	4.65	4.72	4.80	4.84	5.01	5.61	6.17	7.15	8.47	13.27
200	4.57	5.05	5.04	5.24	5.41	5.46	5.63	5.96	6.31	6.92	8.46	9.96	14.00
1000	5.03	6.19	6.10	7.83	8.69	8.69	7.13	7.30	7.92	8.69	10.88	12.44	17.88
10000	7.62	8.49	8.33	8.61	8.65	9.03	9.23	9.45	10.20	11.07	13.18	15.93	21.68
PMP	12.92	14.40	14.44	15.28	15.71	15.85	16.39	16.78	18.56	20.86	23.40	29.72	45.61

MEAN	1.217	1.356	1.361	1.439	1.480	1.494	1.544	1.581	1.748	1.946	2.204	2.800	4.891
CLOCK HR. COR.	1.140	1.670	1.690	1.620	1.010	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.048	1.430	1.295	1.550	1.248	1.248	1.248	1.248	1.248	1.248	1.248	1.248	1.248
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
USED SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100

KURTOSIS	2.731	2.904	2.898	6.010	6.401	6.746	6.584	7.055	5.087	2.885	3.622	4.026	3.151
N	25	25	24	24	24	24	24	25	25	25	25	25	25
RECORD YEAR	1974	1966	1965	1974	1974	1974	1974	1966	1966	1966	1966	1966	1952
RECORDED MAX	1.890	2.300	2.380	3.370	3.370	3.380	3.380	3.630	3.630	3.630	3.630	3.630	6.250
NORMALIZED MAX	1.357	1.864	1.899	2.981	3.081	3.180	2.827	2.985	2.705	2.122	2.446	2.411	2.123
CALC. COEF. VAR	.407	.397	.387	.450	.414	.396	.421	.428	.398	.406	.357	.416	.323
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2486	.2773	.2782	.2943	.3026	.3054	.3157	.3232	.3575	.3979	.4507	.5724	1.0000
RP10/A	.4566	.5089	.5119	.5416	.5582	.5933	.5923	.5962	.6060	.7368	.8314	1.0601	1.7442
RP25/A	.6028	.6718	.6717	.7106	.7281	.7347	.7595	.7776	.8567	.9495	1.0844	1.3660	2.1465
RP50/A	.7133	.7950	.7920	.8738	.8952	.8930	.8921	.9134	1.0025	1.0688	1.2737	1.5243	2.4346
RP100/A	1.1912	1.3082	1.3082	1.3970	1.4094	1.4094	1.4094	1.4094	1.4094	1.4094	1.4094	1.4094	2.1131
RP1000/A	1.4256	1.7360	1.8015	1.8015									

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8NM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB X22 986 0 BORREGO SPRINGS INNE 625 21 105 06E S 33°28' 116°35' 99

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.91	1.05	1.05	1.04	1.08	1.08	1.14	1.16	1.19	1.26	1.33	1.69	2.06
5	1.56	1.82	1.81	1.80	1.86	1.86	1.97	2.00	2.05	2.16	2.29	2.89	4.64
10	2.08	2.40	2.38	2.37	2.43	2.43	2.57	2.61	2.67	2.80	2.99	3.73	5.73
25	2.58	2.98	2.98	2.93	2.98	3.00	3.16	3.21	3.26	3.41	3.68	4.55	6.73
50	2.71	3.17	3.12	3.11	3.24	3.17	3.35	3.41	3.46	3.63	3.86	4.81	7.05
100	3.09	3.56	3.50	3.49	3.54	3.55	3.75	3.81	3.85	4.01	4.16	5.25	7.20
200	3.75	4.33	3.89	3.87	3.92	3.73	3.94	4.00	4.04	4.20	4.58	5.81	8.99
400	4.25	4.91	4.79	4.77	4.81	4.83	5.10	5.18	5.20	5.37	5.93	7.17	9.80
1000	5.42	6.26	6.08	6.05	6.07	6.09	6.43	6.54	6.53	6.71	7.48	8.95	11.80
10000	7.09	8.19	7.91	7.88	7.89	8.33	8.66	8.64	8.59	9.09	11.47	14.55	
PMP	12.02	13.69	13.72	13.67	13.96	14.01	14.79	15.03	15.30	16.03	17.21	21.39	30.61
MEAN	1.133	1.308	1.293	1.288	1.315	1.319	1.416	1.442	1.510	1.621	2.015	3.283	
CLOCK HR, CALCULATED SKW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100	
SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100	
KURTOSIS	8.244	10.020	10.025	10.009	10.210	10.274	8.981	8.625	9.831	9.034	10.619	8.470	5.727
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946
RECORD MAXIMUM	3,550	5,010	5,010	5,010	5,010	5,010	5,100	5,210	5,510	5,510	6,130	6,430	9,700
NORMALIZED VAR	2.701	3.241	3.174	3.454	3.516	3.523	3.468	3.430	3.355	3.455	3.141	3.141	3.012
CALC. COEF. VAR	.765	.873	.854	.897	.879	.874	.784	.781	.798	.767	.771	.847	.849
REON. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.3481	.3988	.3939	.3922	.4005	.4019	.4245	.4313	.4392	.4600	.4938	.6140	1.0000
RP10/A	.9332	1.313	1.240	1.247	1.271	1.274	1.744	1.783	1.819	1.819	1.907	1.1370	1.7442
RP25/A	.9358	1.312	1.240	1.247	1.270	1.273	1.746	1.785	1.820	1.820	1.908	1.1370	1.7442
RP50/A	.9882	1.4245	1.212	1.165	1.1219	1.1358	1.2159	1.2169	1.2317	1.2317	1.2796	1.1053	1.7079
RP100/A	1.1425	1.3196	1.2908	1.2854	1.2949	1.3035	1.3766	1.3988	1.4089	1.4560	1.6013	1.9473	2.7131
RP1000/A	1.6518	1.9078	1.8519	1.8482	1.8490	1.8555	1.9599	1.9912	1.9968	2.0436	2.2795	2.7276	3.5938
RP10000/A	2.1611	2.4980	2.4107	2.4007	2.3945	2.4026	2.5380	2.5785	2.5828	2.6177	2.9519	3.6940	4.4326
RPMP/A	3.6528	4.2366	4.1807	4.1633	4.2516	4.2665	4.5065	4.5785	4.6623	4.8827	5.2414	6.5172	9.3280

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8NM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB X22 6383 0 OCOTILLO WELLS 175 10 125 08E F S 33°15' 116°13' 99

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.66	.73	.75	.77	.78	.78	.86	.81	.87	.95	1.03	1.31	2.05
5	1.15	1.27	1.30	1.33	1.34	1.35	1.39	1.39	1.49	1.62	1.77	2.25	3.22
10	1.51	1.67	1.71	1.75	1.75	1.76	1.82	1.84	2.10	2.10	2.31	2.91	3.97
20	1.88	2.08	2.11	2.16	2.16	2.17	2.17	2.18	2.38	2.55	2.84	3.54	4.67
25	1.99	2.21	2.24	2.29	2.28	2.30	2.37	2.51	2.68	2.70	3.01	3.75	4.86
50	2.24	2.49	2.51	2.57	2.56	2.57	2.57	2.65	2.70	2.70	3.03	3.74	4.99
100	2.38	2.64	2.70	2.69	2.70	2.70	2.79	2.94	2.94	3.15	3.54	4.37	5.54
200	2.73	3.02	3.04	3.11	3.08	3.10	3.20	3.30	3.37	3.60	4.06	4.98	6.17
400	3.09	3.43	3.44	3.52	3.46	3.50	3.49	3.61	3.79	4.03	4.58	5.58	6.79
1000	3.94	4.37	4.36	4.47	4.39	4.42	4.40	4.55	4.75	5.04	5.78	6.97	8.17
10000	5.16	5.71	5.68	5.62	5.68	5.72	5.78	5.89	6.12	6.45	7.49	8.93	10.08
PMP	8.74	9.69	9.85	10.09	10.09	10.16	10.13	10.46	11.14	12.03	13.30	16.66	21.21
MEAN	.824	.912	.928	.950	.951	.957	.954	.966	1.049	1.133	1.253	1.570	2.275
CLOCK HR, CDR, CALCULATED SKW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW	1.846	3.187	3.047	2.774	2.759	2.764	2.878	2.820	2.569	2.663	2.182	1.526	
SKW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.600	1.100

KURTOSIS	7.599	15.684	14.937	12.726	12.714	12.803	12.796	13.445	12.736	11.879	12.693	9.421	5.995
N	25	25	25	25	25	25	25	25	25	23	23	21	22
RECORD YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
RECORD MAXIMUM	2.400	3.790	3.790	3.790	3.790	3.790	3.790	3.790	3.790	3.790	4.350	5.460	8.340
NORMALIZED VAR	2.013	3.616	3.980	3.882	3.885	3.936	3.886	3.764	3.764	3.764	3.430	3.011	
CALC. COEF. VAR	.681	.749	.799	.781	.777	.722	.725	.714	.714	.626	.644	.26	.064
REON. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3621	.4012	.4070	.4178	.4170	.4206	.4194	.4331	.4313	.4693	.5859	.6990	1.0000
RP10/A	.6844	.7451	.7505	.7607	.7709	.7749	.7747	.7793	.7793	.8220	1.0182	1.2779	1.7442
RP25/A	.8770	.9718	.9840	.9887	.10055	.10119	.10101	.10425	.10425	.11892	1.1254	1.4667	2.1465
RP50/A	1.0379	1.1500	1.1610	1.1692	1.1910	1.1866	1.1852	1.2245	1.2245	1.2935	1.3862	1.5568	1.9195
RP100/A	1.1989	1.3283	1.3367	1.3092	1.3554	1.3840	1.3802	1.4053	1.4077	1.9303	2.0094	2.2160	2.5432
RP1000/A	1.7323	1.9204	1.9176	1.9644	1.9294	1.9417	1.9303	2.0004	2.0094	2.2160	2.5432	3.0057	3.5938
RP10000/A	2.2676	2.5125	2.4984	2.5571	2.4985	2.5144	2.5074	2.5905	2.6914	2.6366	3.2024	3.9270	4.6326
RPMP/A	3.0433	4.2595	4.3294	4.4346	4.4364	4.4647	4.4522	4.5997	4.6963	5.2898	5.8478	7.3246	9.3250

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB X23 1288 0 CALEXICO 2 NE 166 12 07 175 15E M 5 32.687 115.465 13

MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.71	.73	.73	.73	.75	.80	.88	.91	.93	1.12	1.86		
5	1.22	1.27	1.26	1.24	1.26	1.29	1.37	1.38	1.44	1.55	1.60	1.92	2.93
10	1.61	1.67	1.65	1.63	1.64	1.69	1.79	1.81	1.87	2.00	2.09	2.49	3.61
20	2.00	2.08	2.04	2.02	2.02	2.06	2.21	2.23	2.29	2.44	2.58	3.03	4.25
25	2.13	2.21	2.17	2.14	2.15	2.21	2.34	2.36	2.43	2.58	2.73	3.20	4.44
40	2.39	2.48	2.43	2.40	2.40	2.47	2.62	2.64	2.71	2.87	3.05	3.57	4.54
50	2.52	2.61	2.50	2.48	2.52	2.59	2.75	2.77	2.84	3.01	3.21	3.74	5.04
100	2.81	3.02	2.94	2.91	2.92	3.15	3.18	3.25	3.33	3.48	4.28	5.62	
200	3.30	3.42	3.33	3.29	3.26	3.35	3.46	3.59	3.66	4.15	4.78	6.18	
1000	4.20	4.36	4.22	4.17	4.12	4.23	4.49	4.53	4.59	4.60	5.24	5.97	7.44
10000	5.50	5.71	5.50	5.43	5.33	5.48	5.81	5.96	5.91	6.15	6.79	7.64	9.18
PMP	9.32	9.67	9.53	9.42	9.46	9.73	10.32	10.41	10.76	11.48	12.05	14.25	19.31
MEAN	.878	.911	.898	.887	.892	.917	.972	.980	1.013	1.081	1.135	1.343	2.070
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.518	1.028	1.009	.974	.927	.949	.819	.632	.956	.760	.666	.367	.944
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100	
KURTOSIS	6.107	4.685	4.678	4.558	4.302	3.938	3.040	3.007	3.337	3.088	2.785	2.493	3.657
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1970
RECORD MAXIMUM	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,810	2,810	2,810	3,070	5,590
NORMALIZED MAX	2,562	2,569	2,703	2,762	2,748	2,567	2,272	2,244	2,433	2,374	2,249	2,110	2,553
CALC. COEF. VAR	.730	.682	.668	.666	.665	.681	.700	.700	.729	.673	.656	.610	.666
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4242	.4401	.4338	.4286	.4307	.4428	.4697	.4735	.4894	.5222	.5483	.6486	1.0000
RP10/A	.7784	.876	.7982	.7887	.814	.8167	.8663	.8735	.9046	.9671	1.0114	2.0111	1.7442
RP25/A	1.0275	1.064	1.0474	1.0349	1.0365	1.0652	1.1300	1.1393	1.1728	1.2462	1.3182	1.5478	2.1465
RP50/A	1.2107	1.2516	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	2.1465
RP100/A	1.4045	1.5772	1.4218	1.4218	1.4218	1.4218	1.4218	1.4218	1.4218	1.4218	1.4218	1.4218	2.1731
RP1000/A	2.0306	2.1068	2.0398	2.0154	1.9881	2.0440	2.1682	2.1860	2.2169	2.3201	2.5312	2.8814	3.5938
RP10000/A	2,6567	2,7564	2,6552	2,6235	2,5745	2,6469	2,8078	2,8309	2,8554	2,9719	3,2779	3,6910	4,4326
PMP/A	4,5028	4,6718	4,6048	4,5497	4,5714	4,6998	4,9855	5,0265	5,1947	5,5433	5,8202	6,8866	9,3250

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB X23 6197 0 NILAND 100 -55 21 105 14E M 5 33.283 115.517 13

MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.69	.70	.74	.76	.76	.78	.79	.82	.85	.93	1.11	1.79	
5	1.19	1.22	1.28	1.28	1.31	1.32	1.34	1.35	1.40	1.46	1.61	2.81	
10	1.57	1.61	1.68	1.68	1.71	1.72	1.75	1.77	1.82	1.86	2.10	2.45	3.47
20	1.95	2.00	2.08	2.08	2.10	2.12	2.15	2.18	2.23	2.30	2.59	2.99	4.08
40	2.07	2.12	2.20	2.20	2.25	2.28	2.31	2.36	2.43	2.74	3.16	3.48	
50	2.39	2.47	2.49	2.47	2.51	2.55	2.58	2.62	2.67	3.07	3.32	3.52	4.56
50	2.51	2.60	2.66	2.66	2.61	2.66	2.69	2.71	2.74	2.83	3.02	3.22	4.64
100	2.93	2.90	2.99	2.99	3.00	3.03	3.07	3.11	3.16	3.23	3.70	4.20	5.39
200	3.21	3.29	3.38	3.38	3.41	3.46	3.51	3.55	3.62	4.17	4.71	5.93	
1000	4.10	4.19	4.29	4.29	4.27	4.31	4.37	4.43	4.46	4.52	5.27	5.89	7.14
10000	5.36	5.49	5.59	5.59	5.53	5.56	5.66	5.73	5.74	5.79	6.82	7.54	8.81
PMP	9.08	9.30	9.69	9.69	9.82	9.91	10.05	10.18	10.45	10.79	12.11	14.06	16.54
MEAN	.856	.876	.913	.913	.925	.933	.947	.959	.984	1.017	1.141	1.325	1.988
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.664	1.384	1.112	1.006	.887	.865	.765	.739	.688	.700	.558	.925	.392
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100	
KURTOSIS	7.322	6.106	4.979	4.630	4.339	4.376	4.241	4.136	3.660	3.466	7.232	4.565	2.538
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2,650	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	3,950	3,950	4,970
NORMALIZED MAX	2,901	2,992	2,913	2,933	2,916	2,919	2,929	2,904	2,747	2,559	3,506	2,981	2,331
CALC. COEF. VAR	.723	.696	.672	.668	.658	.648	.632	.625	.634	.647	.762	.669	.630
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4305	.4406	.4591	.4591	.4651	.4695	.4763	.4826	.4952	.5115	.5738	.6664	1.0000
RP10/A	.7899	.8448	.8448	.8448	.8580	.8661	.8786	.8901	.9154	.9473	1.0584	1.2342	1.7442
RP25/A	1.0426	1.073	1.1085	1.1085	1.1294	1.1294	1.1409	1.1409	1.1619	1.220	1.3105	1.4165	2.1465
RP50/A	1.2107	1.2516	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	1.2257	2.1465
RP100/A	1.4045	1.4569	1.5047	1.5047	1.5055	1.5227	1.5448	1.5550	1.5868	1.6225	1.6669	2.1138	2.7131
RP1000/A	2.0607	2.1092	2.1568	2.1569	2.1473	2.1675	2.1989	2.2278	2.2434	2.2726	2.6490	2.9608	3.5930
RP10000/A	2.6941	2.7955	2.8102	2.8103	2.7807	2.8069	2.8467	2.8849	2.8896	2.9111	3.14303	3.7927	4.4326
PMP/A	4.5607	4.6772	4.8733	4.8735	4.9840	5.0562	5.1225	5.2569	5.4299	6.0910	7.0742	9.3250	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB Y01 114 51 ALISO CANYON COOK 151 985 04 065 07W D S 33.667 117.630 30

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.51	3.28	3.08	3.94	4.08	4.38	4.86	5.12	5.66	6.14	7.24	9.78	15.54
5	3.66	4.95	5.07	5.08	5.31	6.81	7.46	8.43	9.11	10.41	13.94	20.41	30.43
10	4.41	6.47	7.58	7.53	8.13	9.51	9.53	10.21	10.49	12.31	15.21	23.25	35.93
20	5.19	7.12	8.33	8.91	9.28	10.04	10.73	11.16	11.86	12.39	14.97	19.23	26.19
25	5.42	7.45	8.73	9.35	9.74	10.54	11.23	11.67	12.37	13.26	14.97	20.02	27.04
40	5.91	8.13	9.55	10.25	10.68	11.57	12.25	12.73	12.63	14.38	16.17	21.67	26.78
50	6.13	8.45	9.94	10.67	11.13	12.05	12.72	13.22	13.93	14.87	16.72	22.44	29.58
100	6.83	9.43	11.12	11.97	12.49	13.53	14.18	14.72	15.43	16.42	18.41	24.79	32.02
200	7.92	10.38	12.29	13.25	13.83	14.99	15.60	16.19	17.92	20.04	27.08	34.37	
1000	9.52	12.56	14.16	15.16	15.86	17.16	18.50	19.16	20.99	23.29	32.04	39.61	
10000	11.18	15.86	18.56	20.23	21.14	22.95	23.29	24.09	24.69	25.89	26.68	39.43	44.73
PMP	21.33	30.58	38.76	38.91	40.71	44.24	47.13	48.76	51.03	59.07	60.33	77.96	95.92
MEAN	2.790	3.663	4.142	4.460	4.018	4.968	5.420	5.876	6.201	6.667	7.818	10.657	16.327
CLOCK HR, COR.	1.140	1.070	1.029	1.029	1.011	1.010	1.000	1.023	1.023	1.000	1.020	1.020	1.000
CALCULATED SKEW	1.060	1.070	1.029	1.029	1.011	1.010	1.000	1.023	1.023	1.000	1.020	1.020	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	.900	
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	.900	
KURTOSIS	3.769	3.506	4.669	4.224	4.542	4.023	3.312	3.285	3.425	3.010	3.300	6.257	4.123
N	29	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1967	1967	1956	1956	1957	1957	1949	1959	1969	1979	1979	1969	1967
RECORD MAXIMUM	5.150	7.630	10.840	10.910	11.260	11.260	12.420	12.54	14.430	17.730	17.130	29.440	34.970
NORMALIZED MAX	1.764	1.903	2.632	2.362	2.417	2.265	2.245	2.277	2.510	2.392	2.567	3.458	2.578
CALC. COEF. VAR	.490	.569	.614	.612	.595	.559	.561	.531	.529	.506	.475	.510	.443
REBN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
MEAN/A	.1709	.2243	.2537	.2731	.2829	.3043	.3220	.3476	.3798	.4003	.4789	1.0000	
RP10/A	.2721	.3715	.4320	.4612	.4798	.5186	.5603	.5834	.6022	.6732	.7664	1.0211	1.451
RP25/A	.3320	.4561	.5344	.5724	.5964	.6455	.6875	.7148	.7579	.8122	.9171	1.2264	1.6500
RP50/A	.3757	.5174	.6088	.6537	.6816	.7301	.7793	.8096	.8530	.9107	1.0242	1.3744	1.8119
RP100/A	.4185	.5773	.6613	.7333	.7649	.8288	.8868	.9016	.9448	.1.0057	1.1273	1.5192	1.9611
RP1000/A	.5566	.7690	.9136	.9898	1.033	1.2123	1.1520	1.1946	1.2353	1.3038	1.4509	1.9758	2.4281
RP10000/A	.6796	.9941	1.1380	1.2390	1.2948	1.4053	1.4241	1.4786	1.5120	1.5858	1.7358	2.1410	2.6819
PMP/A	1.3065	1.8731	2.2514	2.3831	2.4934	2.7098	2.8686	2.9861	3.1282	3.3727	3.6987	4.7746	5.8750

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMN LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB Y01 609 0 BEAUMONT IE 2600 11 035 01W S 33.933 116.950 33

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDIATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.29	2.98	3.22	3.39	3.55	3.72	4.02	4.37	4.86	5.13	5.79	8.22	14.72
5	3.47	4.80	5.19	5.50	5.54	5.71	6.07	6.57	7.14	7.54	8.54	12.36	20.71
10	4.47	5.60	6.55	6.86	7.17	7.60	8.18	9.04	9.34	10.04	11.50	15.40	24.43
20	5.04	6.60	7.31	7.78	8.13	8.49	8.93	9.60	10.55	10.84	11.96	17.02	27.22
25	5.28	6.91	7.66	8.16	8.53	8.91	9.35	10.04	11.03	11.30	12.46	18.41	28.86
40	5.78	7.56	8.39	8.98	9.38	9.78	10.20	10.95	11.29	12.20	13.49	20.05	31.00
60	6.02	7.67	8.73	9.34	9.76	10.16	10.60	11.38	12.46	12.70	13.97	20.62	31.99
100	6.74	8.80	9.78	10.49	10.95	11.43	11.92	12.68	13.84	14.04	15.42	23.15	34.99
200	7.49	9.71	10.94	11.62	12.44	12.65	13.02	13.99	15.34	15.64	16.74	23.43	37.89
1000	9.05	11.77	12.12	12.92	13.22	13.91	14.37	15.17	16.27	17.19	19.98	30.59	44.33
10000	11.31	14.65	16.34	17.78	19.57	20.35	21.20	22.35	22.26	23.20	24.30	37.72	53.08
PMP	21.65	28.92	32.35	34.30	35.79	37.27	39.47	42.11	46.57	47.56	51.64	76.05	113.59
MEAN	2.375	3.314	3.627	3.845	4.026	4.221	4.478	4.852	5.356	5.595	6.286	9.082	15.889
CLOCK HR, COR.	1.140	1.070	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.979	.979	.945	1.259	1.478	1.390	1.513	1.696	.985	.707	.639	1.758	1.064
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.482	3.404	3.432	4.779	5.766	5.521	4.496	3.797	3.899	3.711	3.345	7.140	4.069
N	39	32	32	37	32	32	32	32	32	32	32	32	32
RECORD YEAR	1969	1943	1969	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.690	6.640	7.240	9.380	10.380	10.380	10.380	11.350	11.520	12.460	24.900	30.900	
NORMALIZED MAX	1.923	2.076	2.149	2.942	3.203	3.144	2.859	2.659	2.600	2.433	2.508	3.510	2.769
CALC. COEF. VAR	.427	.483	.463	.489	.493	.464	.461	.430	.421	.421	.404	.392	.350
REBN. COEF. VAR	.427	.483	.463	.489	.493	.464	.461	.430	.421	.421	.404	.392	.350
USED COEF. VAR	.427	.483	.463	.489	.493	.464	.461	.430	.421	.421	.404	.392	.350
MEAN/A	.1641	.2113	.2312	.2451	.2566	.2690	.2854	.3093	.3414	.3560	.4006	.5795	1.0000
RP10/A	.2725	.3569	.3946	.4180	.4370	.4567	.4847	.5215	.5762	.5951	.6599	.9669	1.5570
RP25/A	.3366	.4406	.4895	.5204	.5430	.5676	.5998	.6218	.7204	.7903	.8704	1.1735	1.8397
RP50/A	.3034	.5014	.5567	.5951	.6218	.6470	.6759	.7251	.7940	.8694	.9365	1.3267	2.0392
RP100/A	.4293	.5606	.6231	.6603	.6792	.7284	.7537	.8079	.8819	.9051	.9831	1.4756	2.2030
RP1000/A	.5717	.6336	.6917	.7003	.7408	.7948	.8284	.8746	.9126	.9446	.9848	2.0404	3.3833
RP10000/A	.7208	.8336	1.0417	1.1335	1.1835	1.2203	1.2316	1.3246	1.4244	1.4845	1.5868	2.4040	3.8633
RPm/A	1.3861	1.6432	2.0421	2.1813	2.3755	2.5157	2.6943	2.9001	3.0315	3.2912	4.6474	7.2400	

PERSONALITY III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
Y01 742 0

STATION NAME  
BIG BEAR LAKE DAM

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
6815 22 02N 01W S 34.233 116.967 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.29	7.05	7.67	8.25	8.61	9.03	9.97	10.74	12.24	13.43	15.51	20.76	35.07
5	8.02	10.84	12.21	12.86	13.39	14.00	15.34	16.40	18.64	20.18	22.97	31.22	49.32
10	9.88	13.36	15.11	15.98	16.64	17.37	18.85	20.12	22.76	24.46	27.69	38.07	58.18
20	11.63	15.75	17.84	18.96	19.73	20.54	22.19	23.59	26.59	28.39	32.03	44.49	66.26
25	12.20	16.49	18.70	19.89	20.70	21.59	23.16	24.68	27.78	29.60	33.37	46.50	68.75
40	13.90	18.04	20.46	21.75	22.75	23.69	25.30	27.20	29.38	32.10	36.14	50.67	73.84
50	13.90	18.07	21.31	22.75	23.67	24.64	26.27	27.91	31.76	34.12	37.52	52.21	73.21
100	15.56	20.99	23.85	25.55	26.58	27.70	29.32	31.16	34.84	36.79	41.31	58.47	83.34
200	17.20	23.16	26.35	28.31	29.44	30.67	32.37	34.29	38.22	40.20	45.08	64.23	90.24
1000	20.92	28.09	32.00	34.57	35.95	37.44	38.95	41.34	45.81	47.84	53.52	77.24	105.59
10000	26.12	34.95	39.87	43.34	45.05	46.90	48.19	51.09	56.27	58.30	65.07	95.25	126.43
PMP	50.02	69.00	78.93	83.37	86.85	90.33	97.86	103.54	117.29	124.58	138.29	192.07	270.36
MEAN	5.948	7.908	8.849	9.369	9.769	10.230	11.102	11.929	13.485	14.631	16.833	22.961	37.370
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.617	2.457	1.980	1.775	1.747	1.685	1.742	1.556	1.409	1.328	1.237	1.563	1.226
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
KURTOSIS	6.540	12.153	8.469	7.610	7.132	6.644	7.377	6.633	5.427	5.020	4.614	6.483	4.615
N	91	91	91	90	89	89	90	90	90	90	90	90	91
RECORD YEAR	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1899	1899
RECORD MAXIMUM	16,100	32,100	33,400	33,800	34,000	34,000	38,500	40,200	40,300	40,800	45,700	73,650	93,100
NORMALIZED MAX	3,185	4,885	4,440	4,317	4,260	4,019	4,292	4,188	3,483	3,196	3,174	4,006	3,408
CALC. COEF. VAR	.356	.626	.625	.604	.582	.578	.579	.569	.571	.560	.540	.551	.438
REGN. COEF. VAR	.494	.915	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.915	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1592	.2116	.2368	.2507	.2614	.2738	.2971	.3192	.3609	.3915	.4505	.6144	1.0000
RP10/A	.2643	.3575	.4092	.4277	.4452	.4648	.5045	.5383	.6091	.6564	.7409	1.0188	1.5570
RP50/A	.3265	.4414	.5004	.5330	.5593	.5708	.6202	.6704	.7433	.7922	.8930	1.2442	1.8397
RP100/A	.4164	.5616	.6383	.6838	.7112	.7412	.7645	.8339	.9322	.9844	1.053	.5846	2.2303
RP1000/A	.5598	.7517	.8564	.9252	.9520	1.0018	1.0423	1.1001	1.2260	1.2803	1.4322	2.0707	2.8254
RP10000/A	.6991	.9352	1.0670	1.1597	1.2036	1.2550	1.2896	1.3672	1.5058	1.5600	1.7411	2.5490	3.3833
PMP/A	1.3386	1.8463	2.1122	2.2364	2.3240	2.4173	2.6187	2.7707	3.1376	3.3338	3.7005	5.1397	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
Y01 1779 0

STATION NAME  
CLAREMONT POMONA COLLEGE

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
1201 10 01S 08W S 34.097 117.709 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.72	3.57	3.91	4.10	4.27	4.53	4.94	5.23	5.90	6.36	7.46	9.82	16.44
5	4.13	5.49	6.07	6.39	6.65	7.02	7.80	8.00	8.99	9.56	11.04	14.77	23.12
10	5.09	6.77	7.51	7.94	8.26	8.72	9.34	9.81	10.97	11.98	13.31	18.01	27.28
20	6.00	7.98	8.88	9.42	9.79	10.33	10.97	11.59	12.82	13.44	15.40	21.05	31.06
25	6.29	8.98	9.30	10.89	10.27	10.84	11.48	12.03	13.39	14.01	16.05	22.00	32.32
40	6.89	10.19	10.49	10.84	11.21	11.89	12.53	13.20	14.27	15.07	17.77	23.42	34.62
50	7.16	9.51	10.60	11.21	11.56	12.18	13.02	13.74	14.73	15.75	17.99	24.87	35.72
100	8.02	10.63	11.87	12.70	13.19	13.90	14.52	15.19	16.79	17.42	19.86	27.66	39.07
200	8.86	11.73	13.11	14.07	14.61	15.39	15.99	16.71	18.42	19.03	21.68	30.39	42.30
1000	10.78	14.23	18.92	17.19	18.78	18.79	19.30	20.15	22.08	22.65	25.74	36.55	49.50
10000	13.46	17.71	19.84	21.54	22.38	23.54	23.87	24.91	27.12	31.29	45.07	59.27	
PMP	25.78	34.95	39.27	41.55	43.10	45.33	48.48	50.47	56.52	58.98	66.49	90.68	126.83
MEAN	3.055	4.006	4.402	4.658	4.849	5.134	5.500	5.815	6.500	6.926	8.094	10.864	17.518
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.084	1.298	1.234	1.138	1.004	.883	.690	.630	.651	.542	.662	.955	.879
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
KURTOSIS	4.109	4.682	4.337	3.890	3.947	3.304	3.059	2.928	3.243	3.039	3.251	4.065	3.601
N	79	79	79	79	79	79	79	79	79	79	79	79	78
RECORD YEAR	1956	1943	1943	1914	1914	1943	1969	1969	1916	1916	1914	1969	1941
RECORD MAXIMUM	6,950	10,280	10,540	10,820	10,920	11,380	12,340	12,670	15,140	15,540	17,830	26,190	38,360
NORMALIZED MAX	2,787	3.032	2,733	2,988	2,509	2,486	2,672	2,638	2,937	2,033	2,762	3,	3,141
CALC. COEF. VAR	.455	.516	.510	.511	.499	.499	.465	.447	.453	.449	.449	.449	.370
REGN. COEF. VAR	.454	.515	.518	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.454	.515	.518	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1750	.2287	.2513	.2699	.2768	.2931	.3139	.3319	.3710	.3954	.4621	.6202	1.0000
RP10/A	.2905	.3864	.4290	.4935	.4714	.5332	.5597	.6265	.6509	.7799	1.020	.5258	.15570
RP50/A	.3389	.4527	.5310	.5645	.5868	.6165	.6564	.6567	.6712	.8090	.9150	.5258	.15570
RP100/A	.4088	.4547	.4631	.5166	.5169	.7439	.7782	.8630	.8949	1.0270	1.199	1.2032	
RP1000/A	.4777	.6169	.6774	.7531	.7530	.7929	.8291	.8672	.9586	.9941	1.1338	1.5792	2.2303
RP10000/A	.6154	.8123	.9098	.9811	1.0185	1.0723	1.1015	1.1502	1.2000	1.2929	1.4691	2.0863	2.6254
PMP/A	.7685	1.0107	1.1323	1.2298	1.2764	1.3435	1.3628	1.4217	1.5483	1.5753	1.7860	2.5727	3.3833
PMP/A	1.4713	1.9953	2.2416	2.3715	2.4405	2.5677	2.7674	2.8811	3.2262	3.3667	3.7957	5.1876	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 973 STATION NAME COLTON SPRS  
BSN ORDER 5<sup>th</sup> YR 1941 4 COUNTY CODE 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.64	2.57	2.87	3.05	3.20	3.40	3.66	3.90	4.43	4.86	5.61	7.65	13.14
5	3.10	3.97	4.49	4.76	4.99	5.28	5.69	6.02	6.84	7.43	8.44	11.61	18.55
10	3.83	4.94	5.61	5.95	6.23	6.58	7.09	7.48	8.51	9.21	10.40	14.34	21.97
20	4.54	5.87	6.68	7.08	7.42	7.84	8.43	8.88	10.11	10.92	12.28	16.97	25.12
50	5.22	6.77	7.02	7.44	7.88	8.23	8.66	9.33	10.61	11.46	12.88	17.89	26.09
100	5.44	7.06	7.40	7.89	8.05	8.54	9.74	10.25	11.67	12.59	14.11	19.53	28.09
200	5.61	7.95	9.08	9.63	10.08	10.63	11.19	11.69	12.17	13.11	14.70	20.24	29.02
500	6.77	8.82	10.09	10.69	11.19	11.81	12.70	13.34	15.19	16.34	18.25	25.31	34.58
1000	8.28	10.82	12.39	13.13	13.74	14.49	16.35	18.62	20.01	22.29	30.94	46.70	
10000	10.40	13.62	15.62	16.56	17.33	18.26	19.64	20.58	23.44	25.15	27.95	38.66	49.06
PMP	19.43	25.54	29.36	31.13	32.56	34.28	36.96	38.58	43.94	47.03	52.06	72.51	102.13

MEAN	2.310	2.927	3.292	3.490	3.662	3.882	4.182	4.444	5.054	5.523	6.337	8.668	14.106
CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.456	1.485	1.299	1.361	1.264	1.058	.887	.858	1.077	1.070	1.389	1.032	.623
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000

KURTOSIS	8.079	6.158	5.993	5.215	4.873	4.120	3.548	3.562	4.353	4.245	5.681	4.401	3.289
N	45	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916
RECORD MAXIMUM	5.250	7.950	8.880	9.450	9.700	9.890	10.250	10.170	15.290	18.830	22.380	28.560	
NORMALIZED MAX	2.541	3.334	3.134	3.043	2.890	2.776	2.575	2.554	3.210	3.162	3.664	3.191	2.442
CALC. COEF. VAR	.501	.515	.542	.561	.558	.557	.530	.511	.562	.559	.547	.496	.420
REGN. COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1638	.2075	.2333	.2474	.2596	.2752	.2965	.3151	.3582	.3915	.4492	.6145	1.0000
RP1/A	.2716	.3500	.3976	.4215	.4417	.4606	.5024	.5301	.6033	.6531	.7373	.1.0168	.15576
RP2/A	.3374	.4340	.4974	.5277	.5527	.5835	.6279	.6674	.7524	.8125	.9129	.1.2619	.18498
RP50/A	.5057	.6500	.7405	.7747	.8027	.8276	.8765	.9129	.9627	.9914	.1.1688	.1.6193	.2.0575
RP100/A	.8332	.9564	.6337	.6824	.7144	.7537	.8169	.8523	.9763	.1.0448	.1.1688	.1.6193	.2.0575
RP1000/A	.5072	.7668	.4876	.9309	.9743	.1.0271	.1.1048	.1.1593	.1.3201	.1.4182	.1.5860	.2.1935	.2.8649
RP10000/A	.7376	.9654	1.1072	1.1738	1.2292	1.2942	1.3920	1.4592	1.6617	1.7829	1.9817	2.7545	3.4781
PMP/A	1.1773	1.8104	2.0815	2.2466	2.3080	2.4302	2.6133	2.7348	3.1149	3.3340	3.6902	5.1402	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 369 STATION NAME CORONA  
BSN ORDER 5<sup>th</sup> YR 2031 0 COUNTY CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.05	2.64	2.86	3.45	3.13	3.73	4.02	3.78	4.43	4.76	5.50	7.35	11.73
5	3.11	4.06	4.43	5.37	4.86	5.78	6.19	5.77	6.75	7.15	8.15	10.16	16.50
10	3.83	5.01	5.49	6.67	6.04	7.18	7.60	7.08	8.24	8.67	9.85	13.48	19.46
20	4.52	5.90	6.48	7.91	7.17	8.50	8.93	8.31	9.63	10.06	11.36	15.76	22.16
50	4.73	6.19	6.79	8.11	7.52	8.92	9.35	8.68	10.47	10.49	11.84	15.77	22.99
100	5.14	6.74	7.92	9.62	8.79	10.79	11.98	11.36	13.27	13.87	16.62	21.49	27.70
200	5.39	7.04	7.74	9.50	8.80	10.20	11.60	9.85	11.36	11.79	13.27	18.62	24.49
500	6.04	7.87	8.66	10.67	9.65	11.44	11.82	10.97	12.62	13.04	14.65	20.71	27.88
1000	6.67	8.68	9.57	11.82	10.69	12.67	13.27	12.07	13.84	14.25	15.99	22.75	30.18
10000	8.12	10.53	11.62	14.43	13.66	15.47	15.71	14.55	16.59	16.96	18.98	27.36	35.32
PMP	10.14	13.11	14.48	18.09	16.36	19.38	19.74	19.28	20.66	20.66	23.08	33.74	42.29

MEAN	2.308	2.965	3.214	3.912	3.548	4.227	4.477	4.199	4.884	5.186	5.971	8.132	12.499
CLOCK HR. COR.	1.140	1.070	1.020	1.010	1.010	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.200	1.333	1.227	1.274	1.170	1.150	1.064	1.022	1.118	1.101	1.263	1.482	.949
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.200	1.200	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.200	1.200	1.000	1.200	.900

KURTOSIS	4.330	5.037	4.354	4.314	4.007	3.891	3.602	3.637	3.905	4.010	4.944	5.103	3.510
N	62	62	62	29	62	29	29	62	28	28	62	28	62
RECORD YEAR	1927	1943	1943	1938	1943	1943	1922	1943	1969	1916	1969	1969	1937
RECORD MAXIMUM	5.050	8.050	8.300	8.500	8.650	8.900	9.600	10.290	10.550	11.430	17.720	20.710	25.750
NORMALIZED MAX	2.248	3.226	2.904	2.321	2.614	2.264	2.293	2.706	2.388	2.520	3.628	2.979	2.429
CALC. COEF. VAR	.529	.531	.545	.505	.550	.488	.499	.536	.486	.478	.542	.530	.436
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.501	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1846	.2373	.2371	.3129	.2839	.3382	.3582	.3395	.3907	.4149	.4777	.6500	1.0000
RP1/A	.3760	.4079	.5338	.6115	.6141	.6003	.5845	.6595	.6955	.7857	.1.0788	.1.5571	
RP25/A	.3767	.4079	.5338	.6115	.6141	.6003	.5845	.6595	.6955	.7857	.1.0788	.1.5571	
RP50/A	.4314	.5631	.6192	.7600	.6079	.6157	.6843	.7877	.7098	.9433	.1.0618	.1.4986	.2.0392
RP100/A	.4830	.6296	.6933	.8535	.7723	.9356	.9459	.8777	.1.0094	.1.0431	.1.7222	.1.6567	.2.2303
RP1000/A	.6694	.8427	.9300	1.1548	1.0467	1.2375	1.2567	1.1641	1.3274	1.3567	1.5169	2.0687	.6254
RP10000/A	.8110	1.0485	1.1500	1.4475	1.3092	1.5502	1.5548	1.4389	1.6304	1.6551	1.8465	2.6991	.3.4833
PMP/A	1.5529	2.0700	2.2937	2.7914	2.5236	2.9859	3.1573	2.9166	3.3972	3.5327	3.9244	5.4424	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 2033 2 CORONA SOUTH

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.11	2.75	3.00	3.17	3.30	3.50	3.80	4.02	4.49	4.84	5.37	7.45	12.05
5	3.20	4.43	4.45	4.94	5.13	5.43	5.85	6.14	6.83	7.28	8.25	11.20	16.95
10	3.49	5.20	5.75	6.14	6.37	6.79	7.19	7.61	8.09	8.62	9.54	12.97	19.29
20	4.65	6.15	6.79	7.29	7.86	7.98	8.44	8.83	9.24	10.18	10.67	11.98	16.69
25	4.87	6.44	7.12	7.65	7.93	8.37	8.83	9.24	10.18	10.67	11.98	13.62	23.37
40	5.33	7.04	7.80	8.39	8.71	9.18	9.64	10.07	10.39	11.57	12.98	18.17	25.37
50	5.55	7.33	8.11	8.74	9.07	9.57	10.02	10.47	11.49	11.99	13.44	18.87	26.18
100	6.21	8.19	9.08	9.82	10.18	10.74	11.18	11.66	12.77	13.26	14.83	20.98	28.63
200	6.86	9.67	10.02	10.81	11.29	11.81	12.30	12.83	14.00	14.49	16.19	23.05	31.00
500	8.85	12.64	13.19	13.89	14.51	15.18	16.05	17.15	17.95	18.72	20.25	27.27	37.27
1000	10.43	13.54	15.18	16.45	17.26	18.18	18.37	19.12	20.62	21.01	23.37	34.19	43.44
PMP	19.96	26.93	30.06	32.12	33.28	35.02	37.30	38.75	42.97	44.91	49.66	68.93	92.95
MEAN	2.374	3.087	3.370	3.600	3.743	3.966	4.232	4.464	4.941	5.274	6.045	8.240	12.838
CLOCK MR. CALCULATED SKEW	1.140	1.070	1.040	1.021	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.312	1.420	1.481	1.511	1.525	1.589	1.204	1.225	1.240	1.281	1.337	1.404	1.008
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.200	1.200	1.200	1.000
KURTOSIS	4.388	4.886	5.134	4.415	4.353	4.607	4.041	4.061	4.574	4.263	4.977	5.751	3.578
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1943	1933	1933	1933	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	5.950	8.450	9.530	9.980	10.100	10.930	11.120	11.600	13.950	14.300	17.460	24.730	29.080
NORMALIZED MAX	2.623	2.984	3.053	2.960	2.799	2.933	2.759	2.711	3.052	2.955	3.404	3.642	2.851
CALC. COEF. VAR	.574	.582	.599	.599	.667	.599	.590	.590	.597	.579	.555	.549	.444
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1849	.2404	.2425	.2804	.2915	.3089	.3296	.3477	.3849	.4108	.4709	.6419	1.0000
RP10/A	.3070	.4062	.4480	.4704	.4965	.5244	.5598	.5864	.6497	.6866	.7745	1.0843	1.5570
RP25/A	.3793	.5015	.5544	.5955	.6178	.6520	.6861	.7194	.7928	.8312	.9335	1.2998	1.8397
RP50/A	.4320	.5705	.6320	.6801	.7065	.7452	.7805	.8153	.8953	.9339	1.0466	1.4696	2.0392
RP100/A	.4837	.6380	.7074	.7648	.7932	.8364	.8704	.9084	.9943	.0328	1.1554	1.6344	2.2303
RP1000/A	.6503	.8540	.9492	1.0349	1.0729	1.1305	1.1564	1.2049	1.3077	1.3433	1.4971	2.1953	2.6254
RP10000/A	.8121	1.0262	1.1826	1.2972	1.3446	1.4162	1.4308	1.4993	1.6051	1.6367	.0200	2.6828	3.3833
PHP/A	1.5551	2.0971	2.3412	2.5010	2.5919	2.7277	2.9055	3.0182	3.3487	3.4978	.0882	3.3892	7.2403

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 2033 3 CORONA SDF

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS												
	10	20	30	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.63	2.15	2.27	2.37	2.42	2.60	3.02	3.18	3.44	3.70	4.22	5.58	9.55
5	2.46	3.33	3.53	3.69	3.77	4.04	4.64	4.86	5.23	5.54	6.25	8.20	13.13
10	3.05	4.08	4.41	4.58	4.68	5.01	5.51	5.96	6.39	7.03	7.53	10.23	15.84
20	3.34	4.81	5.16	5.54	5.85	6.34	6.71	6.99	7.45	7.61	8.71	11.95	16.04
25	3.77	5.04	5.41	5.71	5.83	6.23	7.02	7.32	7.80	8.15	9.08	12.49	16.72
40	4.13	5.51	5.92	6.26	6.39	6.83	7.65	7.98	7.96	8.04	9.83	13.60	20.11
50	4.29	5.73	6.16	6.53	6.66	7.12	7.98	8.29	8.80	9.16	10.18	14.12	20.75
80	4.81	6.41	6.89	7.33	7.48	7.99	8.88	9.24	9.78	10.12	11.24	15.70	22.70
100	5.31	7.05	7.62	8.12	8.59	8.85	9.74	10.24	10.73	11.17	12.45	17.05	23.68
200	6.48	8.28	9.01	9.74	10.12	10.74	11.79	12.25	12.86	13.17	15.56	20.75	26.75
500	8.67	10.68	11.83	12.63	12.68	13.53	14.59	15.14	15.80	16.05	17.70	25.58	34.63
1000	10.43	12.81	14.04	15.22	15.50	16.35	17.63	18.24	19.01	19.71	20.54	31.58	49.68
PMP	18.45	21.08	22.82	23.97	24.44	25.03	29.63	30.69	32.91	34.29	37.61	51.58	73.68
MEAN	1.837	2.416	2.558	2.667	2.749	2.951	3.341	3.536	3.785	4.027	4.579	6.167	10.177
CLOCK MR. CALCULATED SKEW	1.140	1.070	1.100	1.020	1.110	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	.832	1.105	.901	.478	.756	.471	.810	.921	.830	.750	1.000	1.349	1.008
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.200	1.200	1.200	1.000
KURTOSIS	3.212	4.761	4.138	3.417	3.497	3.154	3.313	3.674	4.037	4.917	4.212	8.758	5.151
N	24	27	24	21	23	22	24	24	24	23	24	24	24
RECORD YEAR	1943	1956	18.99	19.69	19.69	19.69	19.69	19.69	19.69	19.69	19.69	19.69	19.69
RECORD MAXIMUM	3.120	5.130	5.220	5.290	5.000	5.840	7.020	7.49*	9.020	9.020	9.320	10.780	22.880
NORMALIZED MAX	1.519	2.443	2.198	2.206	2.284	2.097	2.363	2.480	2.870	2.841	2.738	3.499	2.910
CALC. COEF. VAR	.460	.460	.473	.439	.486	.467	.461	.474	.492	.463	.495	.523	.429
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1805	.2374	.2514	.2641	.2701	.2899	.3303	.3474	.3720	.3957	.4499	.6060	1.0000
RP10/A	.2998	.4012	.4291	.4505	.4600	.4922	.5809	.5628	.6278	.6614	.7400	1.0048	1.5570
RP25/A	.3703	.4992	.5312	.5608	.5724	.6120	.6694	.7108	.7662	.8007	.8920	1.2271	1.8397
RP50/A	.4210	.5935	.6053	.6413	.5545	.6994	.7021	.8146	.8652	.8997	1.0001	1.5343	2.0392
RP100/A	.4723	.6301	.6775	.7202	.7349	.7850	.8722	.9077	.9510	.9949	1.1041	1.5434	2.2303
RP1000/A	.6350	.8341	.9090	.9784	.9914	1.0011	1.0500	1.0800	1.1000	1.1000	1.1000	1.1000	1.0000
RP10000/A	.7330	1.0044	1.1326	1.2215	1.2456	1.3292	1.4336	1.4882	1.5522	1.5787	1.7391	2.5139	3.3033
PHP/A	1.5183	2.0717	2.4241	2.3956	2.4014	2.9501	2.9112	3.0100	3.2343	3.3694	3.6961	5.0699	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 2034 21      STATION NAME      ELEV SEC TMP RND LOT BWH LATITUDE LONGITUDE COUNTY  
CHASE + TAYLOR      1055 02 045 07W S 33.644 117.577 CODE  
33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.43	3.12	3.43	3.56	3.80	3.93	4.29	4.53	4.85	5.22	6.07	8.26	13.47
5	3.69	4.71	5.33	5.57	5.90	6.05	6.60	6.93	7.38	7.84	8.90	12.43	18.95
10	4.54	5.91	6.59	6.93	7.34	7.64	8.14	8.64	9.31	9.50	10.49	17.76	22.35
20	5.58	6.96	7.79	8.22	8.70	9.53	9.96	10.83	11.03	11.50	12.97	18.51	26.41
25	5.61	7.29	8.16	8.62	9.13	9.30	9.97	10.42	11.00	11.50	12.07	18.51	26.41
40	6.14	7.98	8.94	9.47	10.02	10.30	10.89	11.37	11.23	12.47	14.15	20.13	26.36
50	6.39	8.30	9.33	9.86	10.44	10.73	11.31	11.81	12.42	12.92	14.65	20.93	29.27
100	7.15	9.20	10.41	11.08	11.72	12.05	12.61	13.16	13.79	14.29	16.18	23.26	32.01
1000	7.90	10.24	11.50	12.57	12.98	13.34	13.99	14.48	15.13	15.62	17.66	25.57	34.66
10000	9.61	11.50	13.57	15.59	16.82	17.31	17.75	18.24	18.74	19.24	20.68	30.45	40.56
100000	12.01	15.45	17.40	18.79	19.86	20.39	20.74	21.37	22.28	22.65	25.48	37.92	48.66
PMF	22.99	30.50	34.46	36.23	38.29	39.26	42.11	43.72	46.43	48.40	51.16	76.46	103.93
MEAN	2.734	3.496	3.863	4.062	4.307	4.649	4.777	5.037	5.340	5.685	6.593	9.140	14.354
CLOCK WR COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.671	1.536	1.585	1.363	1.474	1.649	1.307	1.264	1.237	1.064	1.191	1.765	1.167
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	6.032	5.486	5.733	4.804	4.958	5.612	4.816	4.547	4.605	4.141	4.466	6.781	4.097
N	44	66	41	42	42	43	43	43	43	44	44	44	44
RECORD YEAR	1943	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1949
RECORD MAXIMUM	6.770	8.990	10.070	10.070	10.680	11.470	11.670	12.270	13.150	13.500	16.250	32.000	10.969
NORMALIZED MAX	2.821	2.047	2.910	2.703	2.760	3.072	2.851	2.902	2.776	2.784	3.121	3.703	2.706
CALC. COEF. VAR	.523	.533	.552	.547	.536	.526	.506	.502	.527	.494	.474	.536	.464
REDN. COEF. VAR	.494	.515	.526	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.513	.513	.513	.513	.481	.491	.416
MEAN/A	.1904	.2436	.2691	.2830	.3000	.3099	.3328	.3509	.3720	.3960	.4593	.6368	1.0000
RP10/A	.3162	.4115	.4594	.4827	.5110	.5262	.5622	.5917	.6279	.6620	.7554	1.0559	1.5570
RP25/A	.3396	.5080	.5686	.6008	.6358	.6564	.6944	.7259	.7662	.8013	.9105	1.2895	1.8197
RP50/A	.4450	.5781	.6480	.6872	.7270	.7476	.7881	.8227	.8653	.9040	1.0209	1.4579	2.0392
RP100/A	.4982	.6463	.7253	.7717	.8163	.8392	.8788	.9167	.9610	.9957	1.1279	1.6215	2.2303
RP1000/A	.6698	.8652	.9732	1.0442	1.1042	1.1342	1.1676	1.2159	1.2639	1.2950	1.4600	2.1422	2.8254
RP10000/A	.8364	1.0704	1.2129	1.3089	1.3838	1.4208	1.4464	1.5029	1.5523	1.5779	1.7753	2.6417	3.3833
PMF/A	1.6010	2.1251	2.4004	2.5240	2.6674	2.7368	2.9334	3.0457	3.2345	3.3721	3.7733	5.3262	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 2034 22      STATION NAME      ELEV SEC TMP RND LOT BWH LATITUDE LONGITUDE COUNTY  
UPPER DRIVE      1235 12 045 07W S 33.634 117.581 CODE  
33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.96	3.64	3.95	4.19	4.36	4.52	4.99	5.30	5.82	6.28	7.20	9.83	15.62
5	4.48	5.60	6.14	6.83	6.78	7.01	7.67	8.10	8.68	9.43	10.67	14.78	21.97
10	5.52	6.79	7.12	7.82	8.70	9.43	9.93	10.31	11.42	12.46	18.02	25.92	
20	6.71	8.12	8.97	9.83	9.99	10.81	11.06	11.56	12.63	13.24	18.66	28.01	50.52
25	6.82	8.12	9.40	10.11	10.48	10.82	11.20	11.59	12.19	12.80	13.24	19.30	31.91
40	7.47	9.32	10.30	11.10	11.50	11.87	12.66	13.30	14.47	15.00	16.79	23.97	32.89
50	7.77	9.70	10.71	11.56	11.98	12.30	13.15	13.81	14.90	15.54	17.38	23.97	33.95
100	8.70	10.87	11.99	12.98	13.45	13.87	14.67	15.39	16.55	17.19	19.19	27.67	37.13
200	9.62	11.97	13.25	14.38	14.90	15.36	16.16	16.93	17.68	18.46	20.94	30.40	46.20
1000	11.70	14.51	16.00	17.37	18.20	18.75	19.49	20.21	21.27	22.36	24.64	36.56	47.03
10000	14.85	18.06	20.05	22.02	22.81	23.40	24.21	25.25	26.73	27.24	30.23	43.08	58.32
20000	27.97	35.65	39.49	42.47	43.98	45.25	48.96	51.13	55.71	58.22	64.24	90.90	120.52
MEAN	3.326	4.086	4.449	4.761	4.945	5.124	5.554	5.891	6.407	6.837	7.820	10.867	16.647
CLOCK WR COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.534	1.330	1.647	1.405	1.446	1.477	1.303	1.207	1.286	1.109	1.200	1.093	1.176
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	5.552	5.114	6.032	4.877	4.957	5.116	4.774	4.612	5.054	4.274	4.560	7.014	4.270
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1943	1933	1934	1943	1943	1943	1949	1949	1949	1949	1949	1949	1949
RECORD MAXIMUM	7.920	10.320	12.270	12.70	12.37	12.74	14.089	15.270	17.420	17.700	20.000	34.000	40.000
NORMALIZED MAX	2.631	3.021	3.022	2.779	2.624	2.866	2.967	2.917	3.140	2.946	3.178	3.945	3.013
CALC. COEF. VAR	.525	.529	.596	.583	.580	.563	.567	.549	.535	.513	.506	.561	.471
REDN. COEF. VAR	.494	.515	.526	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1998	.2454	.2673	.2860	.2971	.3078	.3336	.3539	.3849	.4107	.4698	.6520	1.0000
RP10/A	.3317	.4147	.4562	.4879	.5059	.5266	.5667	.5966	.6496	.6865	.7727	1.0825	1.5570
RP25/A	.4098	.5119	.5668	.6073	.6295	.6697	.7321	.7927	.8211	.8313	.9313	1.3219	1.6397
RP50/A	.4668	.5825	.6436	.6946	.7198	.7426	.7926	.8297	.8652	.9330	1.0442	1.4946	2.0392
RP100/A	.5227	.6513	.7204	.7800	.8062	.8335	.8801	.9245	.9493	.10327	1.1526	1.6623	2.2303
RP1000/A	.7027	.8718	.9666	1.0534	1.0932	1.1265	1.1708	1.2283	1.3076	1.3431	1.4936	2.1961	2.6254
RP10000/A	.8717	1.084	1.2043	1.3229	1.3700	1.4112	1.4843	1.5139	1.5800	1.6365	1.8169	2.7088	3.3833
PMF/A	1.6802	2.1414	2.3841	2.5512	2.6409	2.7181	2.9411	3.0717	3.3484	3.4473	3.6592	5.4600	7.2400

PRECIPITATION TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 2034 60

STATION NAME  
TEMESCAL MTR CO

ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
680 25 035 07W S 33.873 117.566 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.93	2.53	2.82	2.99	3.11	3.27	3.58	3.81	4.28	4.63	5.30	7.06	11.64
5	2.93	3.68	4.38	4.66	4.84	5.08	5.50	5.82	6.52	6.96	7.86	10.61	16.38
10	3.61	4.79	5.41	5.70	6.01	6.30	6.76	7.14	7.96	8.43	9.47	12.94	19.32
20	4.23	5.64	6.34	6.77	7.04	7.46	7.99	8.50	9.30	9.74	10.47	15.12	22.10
25	4.56	5.91	6.70	7.21	7.48	7.89	8.31	8.76	9.52	10.22	11.82	15.72	22.82
40	4.88	6.46	7.34	7.91	8.21	8.59	9.08	9.56	9.92	11.07	12.36	17.21	26.52
50	5.08	6.72	7.64	8.24	8.51	8.95	9.43	9.93	10.47	11.47	12.80	17.87	25.30
100	5.69	7.52	8.55	9.25	9.61	10.05	10.52	11.07	12.19	12.69	14.13	19.88	27.67
200	6.29	8.30	9.44	10.25	10.64	11.12	11.58	12.18	13.37	13.86	15.42	21.83	29.96
1000	7.65	10.65	11.47	12.52	13.00	13.58	13.97	14.68	16.03	16.54	18.31	26.26	35.05
10000	9.55	12.92	14.29	15.70	16.29	17.01	17.29	18.14	19.69	20.10	22.26	32.38	41.97
RPMP	18.29	24.72	26.29	30.27	31.40	32.76	35.10	36.77	41.02	42.96	47.30	65.29	89.82

MEAN	2.175	2.633	3.171	3.393	3.532	3.711	3.982	4.236	4.718	5.045	5.758	7.805	12.406
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.673	1.356	1.271	1.146	1.133	1.161	1.128	1.030	1.078	1.226	1.000	1.623	1.116
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	6.336	5.151	4.791	4.250	4.128	4.251	4.098	3.874	3.999	4.615	4.149	6.791	4.188
N	61	61	61	61	61	61	61	61	61	61	61	61	61
RECORD YEAR	1943	1943	1943	1927	1943	1943	1969	1969	1916	1916	1969	1969	1969
RECORD MAXIM	5.810	7.620	6.518	6.082	9.000	9.000	10.200	10.600	12.000	13.000	14.920	24.000	28.630
NORMALIZED MAX	2.717	3.114	3.050	2.708	2.943	2.950	3.040	3.040	3.040	3.040	3.040	4.056	3.001
CALC. COEF. VAR	.540	.515	.559	.572	.564	.565	.565	.566	.566	.566	.543	.526	.436
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1753	.2284	.2556	.2735	.2847	.2991	.3210	.3414	.3803	.4087	.4641	.6201	1.0000
RP10/A	.1869	.2559	.3043	.3468	.4048	.5313	.6291	.7505	.9419	.6798	.7334	.1332	1.9577
RP25/A	.3560	.4783	.5401	.6086	.6033	.6113	.6704	.6833	.6822	.7022	.7470	.8220	1.8397
RP50/A	.4097	.5420	.6155	.6642	.6898	.7215	.7602	.8005	.8846	.9246	.10317	.14404	2.0392
RP100/A	.4587	.6061	.6890	.7459	.7745	.8098	.8476	.8920	.9825	.10225	.1389	.16020	2.2303
RP1000/A	.6167	.8112	.9244	1.0493	1.0476	1.0945	1.1262	1.1831	1.2920	1.3298	1.4757	2.1165	2.0254
RP10000/A	.7701	1.0093	1.1517	1.2651	1.3128	1.3711	1.3933	1.4624	1.5869	1.6203	1.7940	2.0100	3.0333
RPMP/A	1.4746	1.9926	2.2800	2.4397	2.5307	2.6409	2.8294	2.9630	3.0366	3.4628	3.8129	5.2627	7.2400

STATION NO.  
BSN ORDER SUB  
Y01 2775 70

STATION NAME  
EL MODENA

ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
464 24 045 09W L S 33.800 117.782 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.26	2.88	3.07	3.14	3.21	3.36	3.71	4.04	4.51	4.94	5.88	7.57	12.83
5	3.46	4.43	4.76	4.89	4.99	5.21	5.71	6.18	6.67	7.42	8.71	11.38	16.04
10	4.26	5.46	5.89	6.08	6.20	6.46	7.04	7.50	8.02	8.67	10.70	14.21	21.28
20	5.02	6.43	6.49	7.21	7.35	7.69	8.24	8.90	9.60	10.40	12.65	16.94	24.26
25	5.26	6.74	7.60	7.77	7.77	8.03	8.62	9.29	10.23	10.89	12.65	16.94	24.15
40	8.75	7.37	7.99	8.31	8.66	8.81	9.42	10.14	10.45	11.80	13.70	18.45	27.01
50	5.99	7.67	8.32	8.66	8.82	9.18	9.78	10.52	11.59	12.23	14.18	19.16	27.87
100	6.70	8.57	9.31	9.72	9.90	10.30	10.91	11.74	12.84	13.93	15.66	21.31	30.48
200	7.41	9.46	10.28	10.77	10.97	11.41	12.01	12.91	14.08	14.78	17.09	23.41	33.01
1000	9.01	11.48	12.49	13.15	13.39	13.93	14.50	15.57	16.88	17.59	20.29	26.15	38.62
10000	11.26	14.28	15.56	16.49	16.78	17.45	17.93	19.24	20.73	21.44	24.87	34.11	56.24
RPMP	21.55	26.19	36.86	31.79	32.53	33.00	36.42	38.94	43.20	45.81	52.93	70.00	98.96

MEAN	2.563	3.231	3.453	3.564	3.639	3.806	4.131	4.493	4.968	5.380	6.382	8.368	13.668
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.725	1.490	1.251	1.185	1.238	1.268	.898	.829	.706	.879	1.215	1.641	2.152
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	7.429	5.842	4.468	3.879	4.086	4.405	3.304	3.419	2.843	3.214	4.495	6.151	9.074
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941	1941	1941	1941
RECORD MAXIM	6.386	8.100	8.785	9.100	9.780	9.850	10.600	10.800	11.000	16.000	23.000	41.700	41.700
NORMALIZED MAX	2.717	2.719	2.800	2.859	2.947	2.981	2.940	2.988	2.996	2.992	3.211	3.607	3.607
CALC. COEF. VAR	.537	.550	.581	.593	.595	.591	.589	.590	.591	.524	.521	.556	.552
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1875	.2364	.2526	.2608	.2662	.2784	.3023	.3287	.3625	.3936	.4469	.6122	1.0000
RP10/A	.2113	.2964	.3444	.4554	.4777	.5136	.5543	.6135	.6579	.7679	1.0152	1.5570	1.5397
RP25/A	.3848	.4730	.5339	.5537	.5642	.5877	.6310	.6800	.7487	.7964	.9257	1.2397	1.5397
RP50/A	.4580	.6084	.6333	.6451	.6716	.7159	.7707	.8455	.8849	.9107	.9407	1.2039	1.5397
RP100/A	.4905	.6727	.6810	.7112	.7243	.7539	.7982	.8587	.9390	.9897	1.1457	1.5589	2.2303
RP1000/A	.6595	.8396	.9137	.9623	.9797	1.0109	1.0605	1.1390	1.2349	1.2872	1.4845	2.0596	2.8254
RP10000/A	.8236	1.0446	1.1384	1.2052	1.2278	1.2764	1.3121	1.4167	1.5168	1.5683	1.8647	2.5398	3.3833
RPMP/A	1.5770	2.0623</											

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 2895 0 ETIWANDA 1390 32 01N 06W S 34°125' 117°55' 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.11	4.27	4.46	4.62	4.89	5.12	5.52	5.90	6.47	7.05	8.15	11.05	16.78
5	4.71	6.56	6.92	7.20	7.61	7.94	8.50	9.01	9.85	10.60	12.08	16.61	26.42
10	5.80	8.09	8.56	8.95	9.45	9.86	10.44	11.05	12.02	12.94	14.56	20.26	31.16
20	6.84	9.53	10.11	10.62	11.20	11.68	12.25	12.96	14.05	14.91	16.84	23.67	35.49
25	7.17	9.99	11.14	11.76	12.25	12.84	13.55	14.67	15.55	17.55	24.41	36.92	
50	7.85	10.92	11.60	12.37	13.45	14.51	15.38	16.56	17.96	19.00	22.94	35.55	
90	8.17	11.36	12.09	12.74	13.44	14.56	15.36	16.57	17.47	19.67	22.94	35.81	
100	9.14	12.70	13.51	14.31	15.09	15.72	16.24	17.11	18.40	19.32	21.72	31.11	44.63
200	10.10	14.02	14.93	15.85	16.72	17.41	17.81	18.83	21.11	23.70	34.18	48.33	
1000	12.29	17.00	18.13	19.36	20.42	21.25	21.57	22.70	24.20	25.13	28.14	41.10	56.55
10000	15.35	21.16	22.59	24.27	25.58	26.62	26.69	28.06	29.73	30.62	50.68	67.71	
PMP	29.39	41.77	44.77	46.80	49.32	51.27	54.20	56.88	61.94	65.43	120.19	144.90	

MEAN	3.495	4.787	5.014	5.246	5.548	5.806	6.149	6.550	7.124	7.684	8.851	12.217	20.013
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.285	1.654	1.406	1.256	1.201	1.182	1.010	.924	.765	.861	1.134	.540	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	

KURTOSIS	4.788	7.063	5.847	4.462	4.248	4.249	3.962	3.936	3.512	3.808	3.194	4.810	2.692
N	34	34	34	34	34	34	34	34	34	34	34	34	87
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.790	14.020	14.100	14.140	14.600	15.280	15.280	15.680	16.870	18.790	20.210	31.910	39.230
NORMALIZED MAX	2.219	3.257	3.183	2.871	2.816	2.750	2.595	2.600	2.566	2.800	2.641	3.019	2.475
CALC. COEF. VAR	.554	.592	.572	.590	.585	.593	.572	.536	.529	.516	.460	.534	.388
REGN. COEF. VAR	.449	.515	.507	.529	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1746	.2392	.2595	.2621	.2772	.2901	.3072	.3273	.3560	.3840	.4422	.6104	1.0000
RP10/A	.2800	.4062	.4246	.4472	.4721	.4925	.5218	.5519	.6008	.6418	.7276	1.0122	1.5570
RP25/A	.2582	.3809	.4259	.4546	.4858	.5123	.5423	.5771	.6771	.7332	.7797	1.0236	1.5197
RP50/A	.2550	.3677	.4032	.4368	.4717	.4989	.5276	.5764	.6764	.7329	.8910	1.0276	1.4392
RP100/A	.2458	.3434	.3675	.3719	.4023	.4285	.4814	.5851	.6196	.6764	1.0852	.15544	2.2303
RP1000/A	.0144	.0497	.0906	.0974	1.0201	1.0517	1.0780	1.1342	1.2094	1.2556	1.4061	2.0333	2.6254
RP10000/A	.0760	1.0572	1.1298	1.2126	1.2784	1.3300	1.3337	1.4019	1.4853	1.5298	1.7094	2.5324	3.3833
PMP/A	1.4686	2.0871	2.2346	2.3383	2.6463	2.5617	2.7083	2.8410	3.0950	3.2694	3.6330	5.1063	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 3336 21 GARDEN DRIVE CO YD 90 33.771 117.934 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.06	2.55	2.79	2.84	10.83								
5	3.13	3.92	4.34	4.43	15.46								
10	3.85	4.83	5.37	5.51	18.60								
20	4.54	5.70	6.34	6.53	21.59								
25	4.76	5.97	6.64	6.85	22.53								
50	5.21	6.53	7.77	7.94	24.41								
50	5.42	6.79	7.87	7.84	25.41								
100	6.07	7.59	8.47	8.80	28.22								
200	6.71	8.39	9.36	9.75	30.99								
1000	8.19	10.11	11.37	11.91	37.29								
10000	10.19	12.65	14.16	14.93	46.10								
PMP	19.51	24.96	28.04	28.79	88.54								

MEAN	2.320	2.861	3.143	3.228	11.953								
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.000								
CALCULATED SKEW	1.356	1.165	.532	.404	.1533								
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400								
SKEW USED	1.400	1.300	1.300	1.400	1.400								

KURTOSIS	5.533	4.988	2.919	2.466	6.520								
N	32	32	31	31	32								
RECORD YEAR	1956	1956	1956	1956	1941								
RECORD MAXIMUM	4.730	6.080	6.880	6.880	31.100								
NORMALIZED MAX	2.537	2.822	2.417	2.317	3.473								
CALC. COEF. VAR	.409	.498	.492	.488	.461								
REGN. COEF. VAR	.494	.515	.528	.528	.416								
USED COEF. VAR	.494	.515	.528	.528	.416								

MEAN/A	.1941	.2394	.2629	.2700	1.0000								
RP10/A	.3223	.4044	.4489	.4666	1.5569								
RP25/A	.3981	.4433	.5557	.5144	1.4521								
RP50/A	.4455	.5868	.6046	.4558	1.2555								
RP100/A	.5678	.6352	.7088	.7364	2.3609								
RP1000/A	.6627	.8052	.9510	.9965	3.1195								
RP10000/A	.8525	1.0579	1.1846	1.2491	3.8565								
PMP/A	1.6324	2.0885	2.3455	2.4087	7.2400								

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 19 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 3458 11      STATION NAME      ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
GLEN IVY      1100 03 055 06W 5 33°76'6" 117°48'7" 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	3D	4D	5D	6D	8D	100	150	200	300	600	3650
2	3.14	4.03	4.50	4.75	4.96	5.17	5.48	5.76	6.48	6.95	7.77	10.25	14.89
5	4.77	6.19	6.99	7.40	7.72	8.02	8.43	8.79	9.87	10.44	11.51	15.42	20.95
10	5.87	7.64	8.65	9.20	9.59	9.95	10.36	10.78	12.06	12.65	13.87	18.80	24.71
20	6.92	9.00	10.21	10.91	11.37	11.79	12.17	12.65	14.08	14.69	16.05	21.97	28.14
25	7.25	9.40	10.70	11.73	11.94	12.37	12.73	13.23	14.71	15.32	16.72	22.96	29.20
40	7.94	10.51	11.72	12.57	13.10	13.58	13.90	14.43	15.02	16.61	18.10	25.16	31.36
50	8.46	10.93	12.00	12.95	13.55	14.00	14.44	14.94	15.51	17.11	19.16	26.96	32.27
100	9.25	12.00	13.65	14.70	15.32	15.87	16.11	16.71	18.45	19.03	20.69	28.07	35.40
200	10.22	13.24	15.08	16.29	16.97	17.56	17.73	18.38	20.24	20.80	22.59	31.72	38.33
1000	12.44	16.06	18.32	19.90	20.73	21.45	21.60	22.16	24.27	24.75	26.81	38.14	44.85
10000	15.53	19.98	22.82	24.94	25.97	26.87	26.48	27.39	29.80	30.16	32.60	47.04	53.70
PMP	29.74	39.44	45.18	48.09	50.07	51.76	53.70	55.51	62.10	64.46	69.28	84.85	114.92

MEAN	3.536	4.520	5.065	5.391	5.632	5.862	6.099	6.395	7.142	7.570	8.434	11.339	15.873
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.848	1.710	1.782	1.665	1.600	1.535	1.467	1.400	1.342	1.296	1.291	1.892	1.091
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.200	.900

KURTOSIS	5.925	5.688	6.083	5.537	5.305	5.120	4.872	4.616	4.389	4.360	4.645	7.802	4.238
N	52	52	52	52	52	52	52	52	52	52	52	52	67
RECORD YEAR	1943	1969	1969	1969	1969	1969	1969	1969	1916	1916	1916	1969	1969
RECORD MAXIMUM	8,880	12,280	15,330	15,530	16,230	16,330	16,880	16,980	18,560	19,800	21,650	37,650	42,050
NORMALIZED MAX	2.415	2.844	3.212	3.069	3.115	3.010	3.037	2.928	2.775	2.894	2.976	4.105	3.437
CALC. COEF. VAR	.626	.604	.631	.615	.604	.593	.582	.565	.576	.558	.527	.570	.460
REGN. COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416	

MEAN/A	.2228	.2848	.3191	.3397	.3548	.3693	.3843	.4029	.4500	.4769	.5313	.7144	1.0000
RP10/A	.3699	.4812	.5448	.5794	.6043	.6270	.6526	.6794	.7595	.7971	.8739	1.1845	1.5570
RP25/A	.4261	.5691	.6549	.7241	.7824	.8022	.8335	.8606	.9449	.9849	1.0784	1.4784	1.877
RP50/A	.5265	.6759	.7684	.8449	.8959	.9189	.9446	.9846	.1.0466	.1.0933	.1.1810	.1.6355	2.3392
RP100/A	.5828	.7557	.8602	.9264	.9654	1.0000	1.0148	1.0525	1.1624	1.1991	1.3038	1.8190	2.303
RP1000/A	.7835	1.0116	1.1541	1.2534	1.3058	1.3516	1.3482	1.3981	1.5287	1.5595	1.6894	2.4032	2.6254
RP10000/A	.9784	1.2586	1.4379	1.5712	1.6364	1.6931	1.6680	1.7256	1.8776	1.9001	2.0537	2.9635	3.3833
PMP/A	1,8735	2,4848	2,8466	3,0299	3,1544	3,2611	3,3872	3,4970	3,9124	4,0608	4,3649	5,9755	7,2400

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 4173 11      STATION NAME      ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
HUNTINGTON BEACH      35      33.661 117.999 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	3D	4D	W YR
2	1.81	2.26	2.48	2.57	10.13
5	2.74	3.48	3.85	4.04	14.46
10	3.38	4.29	4.76	5.02	17.40
20	3.98	5.05	5.63	5.96	20.20
25	4.18	5.29	5.90	6.25	21.08
40	4.57	5.79	6.46	6.80	22.91
50	4.76	6.02	6.72	7.15	23.77
100	5.33	6.74	7.82	8.03	26.40
200	5.88	7.43	8.31	8.89	28.99
1000	7.16	9.02	10.09	10.86	34.89
10000	8.94	11.22	12.57	13.61	43.13
PMP	17.12	22.15	24.89	26.25	80.97

MEAN	2,036	2,538	2,791	2,943	11:183
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.734	.483	.211	.249	.1.379
REGIONAL SKEW	1.400	1.300	1.300	1.400	
SKEW USED	1.400	1.300	1.300	1.400	

KURTOSIS	3.419	2.617	2.202	2.867	6.336
N	41	41	41	41	42
RECORD YEAR	1937	1937	1967	1967	1941
RECORD MAXIMUM	3,610	4,450	5,060	6,040	29,480
NORMALIZED MAX	2.042	1.837	1.939	2.566	3.727
CALC. COEF. VAR	.379	.410	.419	.410	.439
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1820	.2270	.2496	.2632	1.0000
RP10/A	.3022	.3835	.4260	.4469	1.5560
RP25/A	.3733	.4734	.5273	.5588	1.8851
RP50/A	.4253	.5349	.6109	.6391	2.4255
RP100/A	.4422	.4233	.5724	.5349	1.3459
RP1000/A	.6402	.8062	.9205	.9712	3.1195
RP10000/A	.7995	1.0031	1.1244	1.2173	3.8565
PMP/A	1,5308	1,9803	2,2260	2,3475	7,2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85N ORDER SUB Y01 4173 21 HUNTINGTON BEACH CO 75 02 065 11W F 5 33°6'00" 118°0'00" CODE 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	W YR
2	1.88	2.33	2.97	2.70	10.46
5	2.85	3.58	3.99	4.21	14.93
10	3.51	4.41	4.93	5.23	17.97
20	4.14	5.20	5.83	6.21	20.85
25	4.33	5.44	6.07	6.52	21.76
50	4.74	5.96	6.69	7.15	23.63
100	4.94	6.20	6.96	7.45	24.54
200	5.53	6.93	7.79	8.37	27.26
500	6.11	7.65	8.61	9.27	29.93
1000	7.43	9.27	10.45	11.32	36.02
10000	9.28	11.54	13.02	14.20	44.92
PMP	17.77	22.78	25.78	27.37	83.59

MEAN	2.113	2.610	2.891	3.069	11.545
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.898	.698	.139	.031	1.011
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.000

KURTOSIS	3.529	2.973	1.983	1.821	4.761
N	31	33	33	32	34
RECORD YEAR	1937	1956	1956	1956	1941
RECORD MAXIMUM	3,680	5,190	5,210	5,210	27,990
NORMALIZED MAX	1.822	2.035	1.787	1.582	3.133
CALC. COEF. VAR	.459	.474	.464	.438	.449
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	1,830	2,221	2,594	2,656	1,0,000
RP10/A	.3039	.3620	.4074	.4474	1,9,00
RP25/A	.3752	.4718	.5291	.5644	1,0,891
RP50/A	.4276	.5366	.6029	.6655	2,1,255
RP100/A	.4788	.6000	.6748	.7250	2,3,609
RP1000/A	.6437	.8032	.9055	.9809	3,1,195
RP10000/A	.8039	.9993	1,1,281	1,2,296	3,8,955
PMP/A	1,5392	1,9728	2,2333	2,3711	7,2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
85N ORDER SUB Y01 4300 1 IRVINE CO AUTOMATIC 197 33.677 117.759 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	W YR
2	2.22	2.54	2.75	2.87	11.24
5	3.37	3.90	4.27	4.47	16.05
10	4.15	4.81	5.28	5.55	19.30
20	4.89	5.67	6.24	6.59	22.41
25	5.12	5.94	6.54	6.91	23.39
50	5.41	6.15	7.04	7.59	25.22
100	5.84	6.76	7.45	7.90	26.37
200	6.53	7.55	8.34	8.80	29.29
500	7.22	8.34	9.21	9.83	32.16
1000	8.76	10.11	11.19	12.01	38.70
10000	10.97	12.58	13.94	15.05	47.84
PMP	21.00	24.84	27.60	29.03	89.82

MEAN	2.497	2.847	3.094	3.254	12.406
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.899	1.444	1.277	1.005	1.061
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	3.626	4.996	4.559	3.894	3.924
N	30	30	31	30	33
RECORD YEAR	1969	1943	1969	1969	1941
RECORD MAXIMUM	4,740	6,750	7,680	7,665	27,210
NORMALIZED MAX	1.980	2,380	2,903	2,579	2,658
CALC. COEF. VAR	.449	.507	.519	.529	.49
REGN. COEF. VAR	.494	.519	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.2013	.2295	.2494	.2623	1,0,000
RP10/A	.3342	.3677	.4251	.4475	.5860
RP25/A	.4129	.4786	.5270	.5570	1,0,891
RP50/A	.4704	.5446	.6005	.6371	2,1,255
RP100/A	.5266	.6090	.6722	.7154	2,3,609
RP1000/A	.7080	.8151	.9018	.9660	3,1,195
RP10000/A	.8841	1,0142	1,1237	1,2134	3,8,955
PMP/A	1,6929	2,0022	2,2245	2,3400	7,2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 1000 33° 77' 117° 7' 20" CODE  
Y01 4300 7 IRVINE-LIMESTONE 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	ID	20	30	40	W YR
2	2.71	3.33	3.53	3.87	15.03
5	4.11	5.12	5.47	6.63	21.45
10	5.07	6.31	6.77	7.49	25.00
20	5.97	7.44	8.00	8.89	29.95
25	6.26	7.79	8.38	9.33	31.26
40	6.85	8.52	9.18	10.24	33.97
50	7.13	8.84	9.55	10.67	35.25
100	7.88	9.61	10.49	11.98	37.15
200	8.82	10.94	11.81	12.27	42.99
1000	10.73	13.26	14.34	16.21	51.73
10000	13.40	16.50	17.87	20.31	63.95
PHP	25.66	32.50	35.38	39.18	120.06

MEAN	3.051	3.734	3.966	4.392	16.583
CLOCK HR.	1.140	1.670	1.040	1.020	1.000
CALCULATED SKEW	1.296	1.485	1.369	1.125	1.006
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	4.087	4.777	4.510	3.614	3.731
N	46	49	47	49	49
RECORD YEAR	1943	1956	1969	1969	1941
RECORD MAXIMUM	7,040	10,160	11,150	11,300	34,950
NORMALIZED MAX	2,268	2,785	2,860	2,643	2,675
CALC. COEF. VAR	.577	.618	.633	.595	.414
REON. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1840	.2252	.2392	.2668	1.0000
RP10/A	.3054	.3805	.4083	.4517	1.5560
RP25/A	.3773	.4467	.5054	.5624	1.8851
RP50/A	.4298	.5343	.5759	.6432	2.1255
RP100/A	.4813	.5976	.6867	.7228	2.3039
RP1000/A	.6470	.7999	.8655	.973	3.1195
RP10000/A	.8080	.9952	1.0777	1.2250	3.8565
PHP/A	1.5472	1.9648	2.1335	2.3624	.72400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 300 33° 65' 117° 7' 98" CODE  
Y01 4300 9 IRVINE CO SHADY CAMP 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	ID	20	30	40	W YR
2	2.23	2.67	2.88	3.03	11.07
5	3.30	4.10	4.87	4.72	16.04
10	4.17	5.05	5.53	5.87	20.38
20	4.92	5.95	6.53	6.96	23.66
25	5.16	6.24	6.83	7.31	24.69
40	5.64	6.82	7.49	8.02	26.83
50	5.87	7.10	7.89	8.36	27.84
100	6.58	7.87	8.73	9.32	30.92
200	7.47	8.76	9.61	10.39	33.05
1000	8.84	10.62	11.71	12.70	44.86
10000	11.04	13.21	14.59	15.92	50.51
PHP	21.14	26.08	28.88	30.69	94.82

MEAN	2.514	2.990	3.238	3.441	13.097
CLOCK HR.	1.140	1.670	1.040	1.020	1.000
CALCULATED SKEW	1.336	1.456	1.196	1.000	.933
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	6.098	6.472	4.904	4.705	3.883
N	71	76	76	74	75
RECORD YEAR	1905	1905	1905	1905	1941
RECORD MAXIMUM	5,970	7,420	8,220	9,020	28,560
NORMALIZED MAX	3,243	3,279	3,288	3,561	2,977
CALC. COEF. VAR	.424	.452	.468	.455	.397
REON. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1919	.2283	.2472	.2627	1.0000
RP10/A	.3187	.3857	.4220	.4481	1.5560
RP25/A	.3937	.4761	.5224	.5576	1.8851
RP50/A	.4485	.5417	.5952	.6380	2.1255
RP100/A	.5021	.6197	.6662	.7165	2.3609
RP1000/A	.6151	.8108	.8600	.9301	3.1195
RP10000/A	.8430	1.0698	1.1138	1.2152	3.8565
PHP/A	1.6142	1.9916	2.2049	2.3433	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 4300 20	STATION NAME IRVINE CO SALT WORKS	ELEV 55	SEC 33.654	TWP 117.864	RNG 30	LOT 08W	BMM LATITUDE LONGITUDE COUNTY CODE
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	1.70	2.17	2.30	2.45	9.54
5	2.57	3.33	3.57	3.81	13.61
10	3.17	4.12	4.51	4.74	16.38
20	3.80	4.75	5.21	5.62	19.01
25	3.92	5.08	5.56	5.90	19.84
40	4.29	5.56	5.98	6.48	21.56
50	4.66	5.78	6.22	6.75	22.37
100	4.99	6.47	6.97	7.58	24.85
200	5.52	7.14	7.69	8.39	27.28
500	6.71	8.66	9.35	10.25	32.83
1000	8.36	10.77	11.64	12.85	40.59
PMP	16.06	21.26	23.05	24.78	76.20

MEAN	1.909	2.437	2.584	2.778	10.524
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKW	.724	.559	1.103	1.218	1.070
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400
SKW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	3.680	2.904	3.942	4.482	4.068
N	23	25	24	24	25
RECORD YEAR	1956	1956	1969	1957	1952
RECORD MAXIMUM	3.000	4.000	5.000	6.350	22.50
NORMALIZED MAX	1.914	1.970	2.258	2.497	2.371
CALC. COEF. VAR	.405	.440	.506	.515	.466
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1914	.2315	.2456	.2610	1.0000
RP10/A	.3012	.3912	.4192	.4503	1.5560
RP25/A	.3721	.4629	.5189	.5605	1.8851
RP50/A	.4239	.5495	.5913	.6411	2.1255
RP100/A	.4746	.6144	.6619	.7199	2.3609
RP1000/A	.6380	.8224	.8881	.9741	3.1195
RP10000/A	.7968	.10232	1.1065	1.2211	3.8565
PMP/A	1.5257	2.0200	2.1904	2.3547	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 4729 0	STATION NAME LAMBERT RES AUTOMATI	ELEV 470	SEC 34	TWP 055	RNG 08W	LOT 5	BMM LATITUDE LONGITUDE COUNTY CODE
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	1.93	2.27	2.42	2.55	10.62
5	2.92	3.49	3.75	3.97	15.16
10	3.42	4.10	4.44	4.81	19.01
20	4.24	5.07	5.88	6.56	21.17
25	4.44	5.31	5.74	6.15	22.10
40	4.87	5.81	6.29	6.75	24.01
50	5.05	6.04	6.54	7.03	24.91
100	5.67	6.76	7.32	7.90	27.67
200	6.26	7.48	8.09	8.78	30.39
500	7.62	9.05	9.83	10.64	37.57
1000	9.32	11.26	12.24	13.40	45.21
PMP	18.22	22.22	24.24	25.84	84.87

MEAN	2.167	2.547	2.717	2.898	11.722
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKW	1.995	2.355	2.044	1.714	1.396
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400
SKW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	7.630	10.435	7.156	5.657	4.449
N	23	23	23	23	23
RECORD YEAR	1956	1956	1956	1956	1952
RECORD MAXIMUM	4.000	7.400	7.900	7.110	23.250
NORMALIZED MAX	2.329	3.235	2.892	2.749	2.304
CALC. COEF. VAR	.513	.639	.648	.617	.427
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1949	.2173	.2318	.2471	1.0000
RP10/A	.3069	.3671	.3957	.4215	1.5560
RP25/A	.3792	.4532	.4698	.5247	1.8851
RP50/A	.4320	.5157	.5582	.6001	2.1255
RP100/A	.4836	.5766	.6248	.6739	2.3609
RP1000/A	.6502	.7718	.8383	.9118	3.1195
RP10000/A	.8120	.9603	1.0445	1.1429	3.8565
PMP/A	1.5548	1.8959	2.0677	2.2041	7.2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=OURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 4892 11	STATION NAME LEMON HTGS SPRINGER	ELEV 350	SEC	TWP RNG LOT	BWN	LATITUDE 33°7'57"	LONGITUDE 117°7'60"	COUNTY CODE 30
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=O-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	1.89	2.38	2.58	2.58	10.71
5	2.87	3.66	4.00	4.14	15.29
10	3.54	4.51	4.95	5.14	18.39
20	4.17	5.32	5.85	6.10	21.35
25	4.37	5.57	6.13	6.40	22.28
40	4.71	6.00	6.71	7.03	24.21
50	4.98	6.34	6.99	7.34	25.12
100	5.58	7.08	7.82	8.23	29.90
200	6.16	7.82	8.64	9.11	30.64
1000	7.50	9.48	10.49	11.13	36.87
10000	9.36	11.80	13.07	13.95	45.58
PMP	17.95	23.29	25.88	26.90	85.57

MEAN	2.131	2.670	2.902	3.018	11.819
CLOCK HRs COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.571	1.328	.977	.940	1.438
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	3.456	5.454	3.770	3.289	5.988
N	2 <sup>4</sup>	2 <sup>4</sup>	2 <sup>4</sup>	2 <sup>4</sup>	2 <sup>5</sup>
RECORD YEAR	1955	1955	1956	1956	1958
RECORD MAXIMUM	3.280	5.120	6.180	5.180	25.320
NORMALIZED MAX	1.471	2.655	2.214	2.053	2.735
CALC. COEF. VAR	.366	.465	.510	.511	.418
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1803	.2259	.2455	.2552	1.0000
RP10/A	.2994	.3817	.4191	.4353	1.5560
RP25/A	.3599	.4711	.5186	.5454	1.8851
RP50/A	.4218	.5454	.5912	.6200	2.4355
RP100/A	.4818	.6394	.6617	.6900	2.3659
RP1000/A	.6342	.8023	.8879	.9418	3.1195
RP10000/A	.7920	.9983	1.1002	1.1805	3.8565
PMP/A	1.5165	1.9708	2.1899	2.2764	7.2400

## PRECIPITATION DEPTH=OURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 5215 1	STATION NAME LYTLE CREEK PM	ELEV 2225	SEC	TWP 06	RNG LOT 01N 05W	BWN 5	LATITUDE 34°20'2	LONGITUDE 117°45'0	COUNTY CODE 38
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=O-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3850
2	4.21	5.82	6.63	7.19	7.68	8.09	8.91	9.63	10.90	12.02	13.87	18.59	30.98
5	6.39	8.94	10.29	11.20	11.94	12.54	13.70	14.72	16.60	18.06	20.35	27.95	43.58
10	7.85	11.02	12.73	13.92	14.81	15.56	16.84	18.05	20.25	21.89	24.77	34.09	51.41
20	9.27	12.99	15.03	16.51	17.59	18.44	19.79	21.17	23.67	25.40	28.65	39.83	58.54
25	9.71	13.50	15.75	17.32	18.46	19.33	20.71	22.14	24.73	26.49	29.85	41.63	60.74
40	10.83	14.46	17.25	19.02	20.20	21.23	22.60	24.15	25.25	28.04	32.14	45.33	59.54
50	11.11	13.48	17.07	19.59	21.11	22.61	24.23	26.21	27.77	33.97	47.11	57.53	73.44
100	12.39	17.31	20.09	22.25	23.70	24.62	25.19	27.98	31.01	32.92	35.95	52.35	73.44
200	13.69	19.10	22.20	24.65	26.25	27.46	28.83	30.75	34.02	35.92	40.33	57.51	79.73
1000	16.65	23.17	26.96	30.11	32.00	33.55	34.80	37.08	40.79	42.82	47.88	69.16	93.29
10000	20.80	28.83	33.59	37.74	40.17	42.02	43.05	45.84	50.09	52.17	58.21	85.28	111.70
PMP	39.83	56.91	66.50	72.77	77.44	80.94	87.43	92.89	104.38	111.49	123.71	171.96	239.04

MEAN	4.736	6.522	7.485	8.158	8.711	9.166	9.918	10.702	12.005	13.093	15.050	20.357	33.017
CLOCK HRs COR.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	4.025	2.842	2.531	2.410	2.562	2.721	2.982	2.594	2.382	2.314	2.158	2.203	1.196
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.200	.900

KURTOSIS	25.618	14.887	13.179	11.011	12.570	14.177	16.959	13.098	12.115	12.178	10.614	11.076	5.449
N	71	71	71	71	71	71	71	71	71	71	71	71	71
RECORD YEAR	1959	1959	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	24.920	26.700	31.920	33.360	36.580	39.420	44.710	44.976	47.710	50.880	53.800	74.330	82.960
NORMALIZED MAX	6.327	5.422	5.251	4.926	3.155	5.386	5.677	5.364	5.115	5.157	4.840	5.007	4.010
CALC. COEF. VAR	.674	.627	.625	.621	.618	.618	.597	.581	.560	.532	.522	.377	
REGN. COEF. VAR	.494	.515	.526	.528	.522	.521	.512	.513	.501	.481	.471	.416	.416
USED COEF. VAR	.494	.513	.528	.526	.521	.512	.513	.501	.491	.491	.491	.491	.491

MEAN/A	.1434	.1975	.2258	.2471	.2438	.2776	.3004	.3241	.3636	.3965	.4551	.5226	1.0000
RP10/A	.2302	.3330	.3854	.4215	.4493	.4713	.5102	.5456	.5137	.6629	.7502	1.0324	1.5570
RP25/A	.2942	.4120	.4771	.5247	.5624	.5921	.6271	.6620	.6024	.7943	.8776	1.2024	1.8777
RP50/A	.3752	.5242	.6037	.6269	.6749	.7176	.7517	.7933	.8486	.8457	.9066	1.0138	1.2555
RP100/A	.5043	.7522	.8166	.9118	.9709	.10180	.10540	.11232	.12333	.12968	.14712	1.6204	2.2303
RP1000/A	.5043	.7017	.8166	.9118	.9709	.10180	.10540	.11232	.12333	.12968	.14712	1.6204	2.2303
RP10000/A	.6300	.8730	1.0174	1.1429	1.2150	1.2726	1.3040	1.3803	1.5172	1.5801	1.7530	2.5829	3.3033
PMP/A	1.2094	1.7236	2.0141	2.2040	2.3455	2.4515	2.5460	2.6134	3.1915	3.3767	3.7470	5.2082	7.2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB Y01 5629 0 MILL CREEK 2 2940 13 01S 02W 34°08' 117°08' 36

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	3.33	3.79	4.08	4.34	4.64	4.97	5.31	6.12	6.52	7.71	11.07	21.97
5	3.69	5.09	5.85	6.26	6.70	7.08	7.53	8.09	9.21	9.80	11.51	16.69	30.53
10	4.54	6.30	7.28	7.77	8.33	8.77	9.30	10.01	11.34	12.07	14.13	20.57	35.94
20	5.82	7.53	8.91	9.47	10.04	10.60	11.20	12.03	13.43	14.03	14.82	20.49	34.45
50	8.42	7.78	9.08	9.67	10.43	10.91	11.50	12.43	13.43	14.03	14.82	21.45	35.46
40	6.16	8.61	9.98	10.62	11.43	11.97	12.45	13.35	14.35	15.38	16.37	19.11	27.92
50	6.41	8.97	10.41	11.07	11.91	12.46	13.18	14.22	15.01	17.05	19.89	29.08	47.09
100	7.19	10.08	11.71	12.45	13.40	14.02	14.80	15.97	17.96	19.12	22.29	32.62	51.35
200	7.96	11.18	13.00	13.80	14.87	15.54	16.35	17.70	19.88	21.16	24.66	36.12	55.88
1000	9.71	13.68	15.94	16.91	18.23	19.02	20.03	21.55	24.26	25.84	30.05	44.11	65.95
10000	12.18	17.20	20.06	21.26	22.95	23.91	25.18	27.20	30.42	32.40	37.88	55.33	78.78
PPF	22.66	32.15	37.62	39.79	43.63	44.69	46.62	50.79	56.63	60.30	69.95	103.05	192.71

MEAN	2.773	3.783	4.319	4.641	4.948	5.267	5.629	6.029	6.919	7.367	6.689	12.521	23.497
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.736	1.004	1.041	1.163	1.204	1.087	1.014	1.012	1.012	1.012	1.012	1.036	.512
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000

KURTOSIS	3.635	3.449	3.914	4.383	4.235	3.620	3.314	3.584	3.045	3.138	2.653	2.075	2.616
N	39	39	39	39	39	39	39	39	39	39	39	39	45
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1922	1922	1916	1943	1937
RECORD MAXIMUM	4.900	7.000	9.000	11.000	11.000	11.000	11.000	11.000	13.000	13.000	15.000	20.000	38.500
NORMALIZED MAX	2.055	2.351	2.777	3.003	2.959	2.731	2.599	2.633	2.313	2.515	2.267	1.857	2.453
CALC. COEF. VAR	.378	.473	.469	.474	.459	.458	.447	.429	.385	.385	.357	.262	
REON. COEF. VAR	.478	.500	.514	.505	.513	.493	.489	.495	.479	.479	.479	.462	.395
USED COEF. VAR	.478	.500	.514	.505	.513	.499	.489	.495	.479	.479	.479	.462	.395

STATION NO. 85N ORDER SUB Y01 5629 0	PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE												
	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE	Y01	MILL CREEK INTAKE
		4945	13	01S	01W	C	5	34°08'	116°49'	36			

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	190	200	300	600	3650
2	3.15	4.07	4.35	4.67	4.97	5.22	5.67	6.19	6.92	7.58	8.83	12.21	23.04
5	4.78	6.25	6.75	7.28	7.72	8.10	8.72	9.46	10.54	11.39	13.07	18.36	32.41
10	5.89	7.71	8.35	9.05	9.40	10.05	10.72	11.61	12.87	13.80	19.76	22.39	36.23
20	6.94	9.08	9.87	10.74	11.38	11.91	12.59	13.60	15.04	16.02	18.23	26.41	43.53
25	7.92	10.48	11.72	11.77	12.40	12.94	13.52	14.52	15.71	16.71	19.11	21.34	37.17
40	7.97	10.41	11.22	12.37	13.11	13.61	14.38	15.52	16.94	18.12	20.57	24.78	40.52
50	8.23	10.83	11.77	12.89	13.65	14.28	14.95	16.12	17.74	18.77	21.30	30.92	50.07
100	9.28	12.11	13.19	14.47	15.33	16.03	16.67	17.97	19.70	20.76	22.61	34.39	54.76
200	10.26	13.34	14.57	16.03	16.98	17.75	18.35	19.77	21.61	22.69	25.66	37.77	59.29
1000	12.48	16.21	17.70	19.58	20.73	21.67	22.14	23.83	25.99	27.08	30.47	45.43	69.37
10000	15.98	20.18	22.95	24.54	25.99	27.15	27.39	29.46	31.02	32.90	37.04	55.22	83.07
PPF	29.83	39.81	43.85	47.33	50.09	52.29	55.83	59.89	66.31	70.31	78.72	112.96	177.76

MEAN	3.548	4.562	4.894	5.306	5.634	5.921	6.311	6.877	7.626	8.256	9.582	13.304	24.552
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.087	1.412	1.620	2.057	2.068	1.879	1.510	1.386	1.154	.935	.937	.834	.985
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.290	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.290	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	8.113	4.777	5.618	8.309	8.506	7.764	5.800	5.336	4.381	3.494	3.273	2.814	3.433
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1966	1967	1967	1967	1967	1967	1967	1967	1966	1966	1966	1956	1931
RECORD MAXIMUM	9.790	11.100	13.070	16.220	17.640	19.70	17.970	18.120	18.280	18.280	21.170	26.320	47.440
NORMALIZED MAX	3.016	2.598	3.031	3.453	3.610	3.719	3.395	3.136	2.852	2.475	2.539	2.630	2.938
CALC. COEF. VAR	.393	.252	.211	.554	.589	.577	.584	.611	.590	.490	.477	.475	.367
REON. COEF. VAR	.494	.415	.425	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416

MEAN	.1445	1.858	1.993	2.161	2.295	.2412	.2570	.2601	.3106	.3363	.3903	.5500	1.0000
PPF	.2399	3.30	3.46	3.866	.3099	.4697	.4365	.4726	.5253	.5622	.6419	.9120	1.3770
PP25%	.2264	.3676	.4212	.4589	.4863	.5090	.5366	.5795	.6398	.6805	.8475	1.1137	.8397
PP50%	.3376	.4410	.4800	.528	.5651	.5818	.6097	.6568	.7225	.7647	.8775	1.2592	2.0392
PP100%	.3760	.4931	.5373	.5894	.6244	.6530	.6768	.7310	.8024	.8456	.9577	1.4005	2.2033
PP1000%	.5002	.6600	.7209	.7975	.8445	.8826	.9016	.9707	1.0553	1.0998	1.2409	1.8503	2.8254
PP10000%	.6346	1.8212	.8981	.9996	1.0384	1.1058	1.1197	1.1998	1.2961	1.3401	1.5096	2.2817	3.3633
PPM/A	1.2152	1.6213	1.7780	1.9277	2.0402	2.1296	2.2434	2.7007	2.8639	3.2063	4.6007	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB Y01 5900 0 HT BALDY FC85 4275 19 02N 07W S 34°23'7" 117°6'59" 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS											
	10	20	30	40	50	60	80	100	150	200	300	600
2	5.56	7.48	8.21	8.67	9.00	9.38	10.23	10.90	11.77	12.67	14.38	18.89
5	8.44	11.59	12.76	13.50	13.99	14.55	15.73	16.66	17.92	19.04	21.29	26.11
10	10.39	14.18	15.76	16.78	17.38	18.00	18.34	20.00	21.88	23.77	25.67	30.29
20	12.25	16.71	18.62	19.91	20.61	21.40	22.72	23.98	25.56	26.78	29.70	40.29
25	12.84	17.56	19.51	20.89	21.63	22.45	23.77	25.00	26.71	27.92	30.94	41.87
40	14.05	19.15	21.36	22.93	23.74	24.63	25.95	27.34	27.27	30.28	33.50	45.69
50	14.62	19.92	22.23	23.89	24.73	25.66	26.97	28.41	30.14	31.37	34.69	47.34
100	16.37	22.27	24.89	26.83	27.77	28.80	30.07	31.65	33.50	34.70	38.30	52.65
200	18.09	24.50	27.14	29.12	30.36	31.48	33.18	34.82	36.37	37.92	41.80	57.00
1000	22.81	29.81	33.39	36.31	37.56	39.92	39.45	39.45	39.45	40.05	41.52	47.56
10000	27.49	37.09	41.60	45.51	47.07	48.76	49.43	51.89	54.10	54.98	60.33	85.77
PHP	52.63	73.22	82.36	87.76	90.74	93.92	100.37	105.10	112.71	117.51	128.21	172.95

MEAN	6.259	8.392	9.233	9.638	10.207	10.636	11.387	12.115	12.966	13.600	15.667	20.676	32.834
CLOCK HRS COR.	1.149	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.231	1.153	1.044	1.539	1.483	1.925	2.244	2.220	2.160	1.999	2.048	2.116	1.530
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	4.300	7.183	5.827	5.208	5.092	7.595	9.779	9.418	8.921	8.288	9.176	9.252	4.985
N	54	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1943	1943	1943	1943	1943	1949	1969	1970	1949	1969	1969	1969	1969
RECORD MAXIMUM	15.370	27.180	27.990	28.600	29.090	39.240	47.080	48.180	50.160	50.840	56.750	79.330	88.800
NORMALIZED MAX	2.625	3.561	3.040	2.956	2.883	3.910	4.407	4.315	4.294	4.116	4.358	4.321	3.596
CALC. COEF. VAR	.555	.629	.668	.652	.642	.688	.711	.691	.682	.652	.665	.657	.474
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1906	.2556	.2812	.2998	.3109	.3239	.3468	.3690	.3949	.4203	.4753	.6297	1.0000
RPI10/A	.3165	.4318	.4800	.5111	.5294	.5449	.5890	.6222	.6665	.7025	.7818	1.0442	1.5570
RPI25/A	.3910	.5331	.5942	.6362	.6587	.6837	.7240	.7034	.8133	.8504	.9423	1.2751	1.8397
RPI50/A	.4454	.6665	.6771	.7277	.7532	.7814	.8213	.8651	.9185	.9555	1.0565	1.4417	2.0392
RPI100/A	.4986	.6782	.7580	.8172	.8457	.8771	.9158	.9640	1.0201	.10567	1.1664	1.6035	2.2303
RPI1000/A	.5704	.9061	1.0109	1.1057	1.1439	1.1855	1.2157	1.2786	1.3476	1.3744	1.5113	2.1184	2.8254
RPI10000/A	.8372	1.1295	1.2670	1.3887	1.4380	1.4846	1.5694	1.5804	1.6474	1.6766	1.8373	2.2123	3.3833
PHP/A	1.8030	1.2299	1.9808	2.0797	2.1632	2.1863	2.1603	2.1268	3.4335	3.5787	3.7048	3.2675	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB Y01 6175 0 NEWPORT BEACH HARBOR 8 33.603 117.699 30

## MAXIMUM PRECIPITATION FOR INDIQUATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDIQUATED DURATION D= DAYS H= HOURS											
	10	20	30	40	50	W	YR					
2	1.87	2.28	2.47	2.57	9.81							
5	2.80	3.40	3.13	4.40	14.00							
10	3.49	4.32	4.74	4.97	16.85							
20	4.11	5.10	5.60	5.90	19.56							
25	4.31	5.33	5.87	6.19	20.41							
40	4.72	5.84	6.43	6.79	22.18							
50	4.91	6.07	6.69	7.08	23.01							
100	5.50	6.79	7.49	7.95	25.56							
200	6.08	7.49	8.27	8.80	28.07							
1000	7.59	9.68	10.84	11.16	32.78							
10000	9.23	11.30	12.51	13.48	41.76							
PHP	17.67	22.31	24.77	26.00	78.39							

MEAN	2.101	2.556	2.777	2.914	10.827							
CLOCK HRS COR.	1.140	1.079	1.040	1.029	1.030							
CALCULATED SKEW	1.33	1.47	1.50	1.53	1.53							
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400							
SKEW USED	1.400	1.300	1.300	1.400	1.400							
KURTOSIS	2.701	4.035	3.725	3.908	5.533							
N	51	51	51	51	51							
RECORD YEAR	1945	1949	1949	1949	1941							
RECORD MAXIMUM	3.820	5.420	6.200	6.870	28.170							
NORMALIZED MAX	1.944	2.655	2.761	3.033	3.668							
CALC. COEF. VAR	.421	.421	.446	.448	.437							
REGN. COEF. VAR	.494	.515	.528	.528	.416							
USED COEF. VAR	.494	.515	.528	.528	.416							
MEAN/A	.1941	.2362	.2565	.2692	1.0000							
RPI10/A	.3222	.3991	.4378	.4591	1.5560							
RPI25/A	.3981	.4927	.5420	.5716	1.0851							
RPI50/A	.4535	.5606	.6176	.6537	2.1265							
RPI100/A	.5077	.6268	.6913	.7341	2.3609							
RPI1000/A	.6826	.8396	.9276	.9933	3.1951							
RPI10000/A	.8524	1.059	1.155	1.248	3.8565							
PHP/A	1.6522	2.0609	2.2078	2.4010	7.2400							

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 6435 71	STATION NAME OLIVE HEIGHTS	ELEV 230	SEC	TWP	RNG	LOT	BWM	LATITUDE 33° 8' 37"	LONGITUDE 117° 8' 45"	COUNTY CODE 30
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	2.45	3.24	3.39	3.40	12.85
5	3.72	4.97	5.26	5.30	18.34
10	4.49	6.13	6.49	6.50	22.77
20	5.41	7.23	7.69	7.82	25.62
25	5.66	7.57	8.06	8.21	26.74
40	6.20	8.28	8.83	9.01	29.06
50	6.45	8.61	9.19	9.37	30.15
100	7.22	9.63	10.28	10.54	33.49
200	7.98	12.93	13.71	14.00	36.77
1000	9.16	12.89	13.80	14.26	44.35
10000	12.13	16.04	17.19	17.88	54.70
PMP/A	23.22	31.67	34.04	34.47	102.69

MEAN	2.761	3.630	3.816	3.865	14.164
CLOCK HR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKW	.954	1.212	.935	.862	1.250
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400
SKW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	3.475	4.161	3.237	3.202	4.321
N	28	26	26	26	28
RECORD YEAR	1953	1943	1953	1953	1951
RECORD MAXIMUM	5.620	8.800	8.930	8.630	32.980
NORMALIZED MAX	2.013	2.369	2.243	2.304	2.701
CALC. COEF. VAR	.514	.608	.598	.569	.491
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1947	.2559	.2590	.2725	1.0000
RP10/A	.3323	.4324	.4592	.4664	1.5560
RP25/A	.3993	.5337	.5685	.5786	1.8851
RP50/A	.4549	.6673	.6478	.6617	2.1255
RP100/A	.5093	.6791	.7251	.7431	2.3669
RP1000/A	.6867	.9690	.9729	1.0055	3.1195
RP10000/A	.8550	1.1309	1.2121	1.2603	3.8565
PMP/A	1.6372	2.2327	2.3996	2.4300	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 6472 1	STATION NAME ORANGE	ELEV 215	SEC	TWP 32	RNG 045	LOT 09W	BWM 8	LATITUDE 33° 7' 88"	LONGITUDE 117° 8' 41"	COUNTY CODE 30
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	SD	60	80	100	150	200	300	600	3650
2	2.13	2.67	2.91	3.01	3.22	3.36	3.60	3.92	4.44	4.84	5.63	7.28	12.44
5	3.23	4.10	4.51	4.68	5.00	5.22	5.54	5.99	6.76	7.26	8.36	10.94	17.49
10	3.49	5.00	5.68	5.63	6.21	6.47	6.81	7.24	8.28	8.82	10.65	13.35	20.54
20	4.50	6.24	6.91	7.77	7.67	8.00	8.61	9.46	10.24	10.53	12.40	15.40	24.36
25	4.91	6.24	6.91	7.26	7.73	8.05	8.37	9.01	10.07	10.68	12.11	16.30	24.36
40	5.38	6.83	7.56	7.94	8.49	8.83	9.14	9.83	10.28	11.38	13.11	17.75	26.19
50	5.60	7.10	7.67	8.30	8.84	9.20	9.50	10.21	11.37	12.00	13.58	16.43	27.03
100	6.27	7.94	8.81	9.32	10.32	10.59	11.38	12.63	13.27	14.99	16.36	22.52	32.01
200	6.93	8.77	9.73	10.36	10.99	11.43	11.66	12.52	13.82	14.50	17.25	21.42	37.45
1000	8.43	10.63	11.24	12.41	13.70	13.95	14.07	15.09	16.61	17.75	19.42	27.00	44.64
10000	10.12	12.23	12.75	13.80	16.03	17.48	17.41	18.65	20.40	21.02	23.82	33.39	59.96
PMP/A	20.15	26.12	29.15	30.48	32.44	33.66	35.35	37.80	42.52	44.93	56.19	67.33	95.96

MEAN	2.396	2.903	3.266	3.417	3.660	3.812	4.010	4.354	4.890	5.277	6.110	8.049	13.254
CLOCK HR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.764	1.388	1.026	1.071	.968	.962	.912	.852	.607	.621	.637	.984	1.161
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	3.266	5.084	3.581	3.971	3.766	3.756	3.477	3.219	2.571	2.767	2.797	3.807	4.70
N	240	260	300	300	300	300	300	300	300	300	300	300	300
RECORD YEAR	1956	1956	1958	1958	1959	1959	1959	1960	1960	1960	1960	1960	1961
RECORD MAXIMUM	6.490	7.370	7.500	8.640	8.470	6.630	9.230	9.340	10.160	11.560	12.730	19.620	31.930
NORMALIZED MAX	2.073	3.017	2.572	2.790	2.751	2.750	2.805	2.581	2.362	2.637	2.418	3.025	3.458
CALC. COEF. VAR	.422	.485	.503	.405	.400	.479	.464	.461	.454	.453	.448	.475	.408
REGN. COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.513	.501	.491	.491	.491	.416
USED COEF. VAR	.494	.515	.526	.528	.526	.521	.512	.513	.501	.491	.491	.491	.416

MEAN/A	.1806	.2256	.2466	.2578	.2793	.2676	.3026	.3265	.3689	.3981	.4610	.6073	1.0000
RP10/A	.3016	.4209	.4397	.4668	.4883	.5139	.5540	.6227	.6655	.7382	.1.0069	1.5570	
RP25/A	.3707	.4710	.5211	.5474	.5833	.6071	.6317	.6797	.7599	.8055	.9139	1.1297	1.4397
RP50/A	.4223	.5366	.5338	.6261	.6670	.6939	.7166	.7703	.8562	.9051	1.0246	1.3903	2.0392
RP100/A	.4799	.5993	.6646	.7031	.7490	.7708	.7990	.8683	.9531	1.0010	1.1316	1.5663	2.2303
RP1000/A	.6357	.8027	.8916	.9813	1.0130	1.0526	1.0616	1.1385	1.2535	1.4010	1.4651	2.0429	2.8254
RP10000/A	.7949	.9661	1.111	1.2524	1.2478	1.3166	1.3134	1.4072	1.5395	1.5802	1.7816	2.5172	3.3633
PMP/A	1.5202	1.9704	2.1913	2.2995	2.4742	2.5398	2.6072	2.6017	3.2079	3.3809	3.7809	5.0797	7.2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 6776 21

STATION NAME  
PEDLEY SOF

ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
710 26 025 06W 5 33°97.5 117°48.5 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.70	2.19	2.32	2.51	2.73	2.76	2.99	3.19	3.58	3.76	4.40	5.90	9.69
5	2.57	3.36	3.60	3.92	4.25	4.29	4.59	4.87	5.45	5.66	6.51	8.87	13.63
10	3.17	4.15	4.46	4.87	5.28	5.32	5.64	5.97	6.65	6.86	7.85	10.82	16.08
20	3.76	5.12	5.25	5.51	6.26	6.30	6.63	7.00	7.77	7.96	9.05	12.65	18.32
25	3.91	5.42	5.52	5.62	6.06	6.10	6.59	7.24	8.11	8.30	9.47	13.30	19.40
40	4.29	5.60	6.04	6.45	7.21	7.25	7.57	7.99	8.28	9.00	10.25	14.39	20.41
50	4.46	5.83	6.29	6.93	7.51	7.58	7.87	8.30	9.16	9.23	10.61	14.94	21.07
100	4.99	6.52	7.04	7.73	8.44	8.48	8.76	9.25	10.16	10.31	11.72	16.62	23.04
200	5.52	7.19	7.78	8.62	9.35	9.39	9.66	10.18	11.16	11.27	12.79	18.26	24.95
1000	6.71	8.75	9.44	10.53	11.41	11.46	11.65	12.27	13.38	13.41	15.18	21.96	29.19
10000	8.38	10.85	11.77	13.20	14.30	14.36	14.43	15.16	16.44	16.34	18.45	27.08	34.95
PMP	16.05	21.42	23.29	25.48	27.57	27.66	29.30	30.73	34.25	34.92	39.22	54.80	74.79

MEAN	1.908	2.455	2.611	2.854	3.101	3.133	3.324	3.541	3.939	4.101	4.775	6.527	10.330
CLOCK MR. COR.	1.140	1.170	1.030	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.796	1.192	1.032	1.052	1.038	.584	.528	.511	.483	.402	.586	2.109	1.116
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	.900

KURTOSIS	3.334	5.126	4.592	3.000	3.340	3.346	3.674	3.797	3.655	3.817	4.174	9.502	5.352
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1969	1954	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIM	3.100	5.100	5.350	5.500	5.600	6.117	6.160	7.045	8.020	8.330	9.500	17.830	22.590
NORMALIZED MAX	1.432	2.389	2.100	1.889	2.111	2.149	2.344	2.370	2.325	2.321	2.459	3.070	2.783
CALC. COEF. VAR	.46	.463	.463	.463	.463	.463	.463	.463	.463	.463	.462	.462	.462
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.187	.2377	.2526	.2763	.3026	.3032	.3217	.3427	.383	.3970	.4622	.6318	1.0000
RP10/A	.357	.4116	.4115	.4115	.4115	.4115	.4115	.4115	.4115	.4115	.4115	.4115	.4115
RP25/A	.3789	.4957	.5322	.5687	.6362	.6400	.6717	.7691	.7854	.8034	.8194	.9125	.9770
RP50/A	.4317	.5641	.6087	.6710	.7275	.7315	.7620	.8036	.8869	.9027	.1.0273	.1.4466	.2.0392
RP100/A	.4833	.6307	.6914	.7535	.8168	.8211	.8497	.8954	.9851	.9983	.1.1342	.1.6089	.2.2303
RP1000/A	.6697	.8442	.9143	1.0195	1.1048	1.1098	1.1288	1.1877	1.2955	1.2984	1.6695	2.1256	2.6254
RP10000/A	.8114	1.0504	1.1391	1.2779	1.3845	1.3902	1.3966	1.4680	1.5912	1.5802	1.7865	2.6122	3.3833
PMP/A	1.5537	2.0737	2.2550	2.4644	2.6689	2.6776	2.8361	2.9750	3.3155	3.3809	3.7970	5.2854	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y01 6818 11

STATION NAME  
PERRIS S D F

ELEV SEC TMP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
1452 30 045 05W 5 33.788 117.229 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.65	2.12	2.35	2.53	2.66	2.76	2.94	3.14	3.43	3.64	4.45	5.74	9.36
5	2.51	3.26	3.64	3.93	4.14	4.28	4.51	4.79	5.22	5.46	6.59	8.63	13.16
10	3.09	4.02	4.51	4.89	5.14	5.32	5.55	5.87	6.30	6.62	7.98	10.52	15.52
20	3.64	4.44	5.23	5.89	6.10	6.20	6.52	6.84	7.21	7.78	8.61	9.57	12.40
25	3.82	4.96	5.56	6.06	6.26	6.49	6.76	7.21	7.78	8.21	9.65	11.34	17.46
40	4.18	5.43	6.11	6.88	7.02	7.25	7.45	7.86	8.24	8.49	10.36	13.99	19.70
50	4.35	5.65	6.36	6.95	7.32	7.55	7.74	8.17	8.79	9.01	10.73	14.53	20.33
100	4.87	6.32	7.12	7.82	8.21	8.48	8.63	9.10	9.76	9.96	11.65	16.14	22.24
200	5.38	6.97	7.85	8.66	9.10	9.39	9.50	10.01	10.71	10.88	12.93	17.75	24.08
1000	6.54	8.45	9.55	10.58	11.11	11.46	11.64	12.07	12.83	12.95	15.35	21.35	26.17
10000	8.17	10.52	11.90	13.20	13.92	14.35	14.18	14.92	15.78	15.87	18.64	26.33	33.73
PMP	15.65	20.76	23.95	25.37	26.84	27.85	28.80	30.24	32.85	33.73	39.67	53.08	72.19

MEAN	1.861	2.380	2.640	2.866	3.019	3.131	3.267	3.484	3.778	3.961	4.829	6.346	9.970
CLOCK MR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.780	1.938	2.398	1.915	1.997	1.836	1.831	1.961	1.576	1.603	1.267	2.303	1.679
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	.900

KURTOSIS	7.650	8.962	11.085	7.994	6.239	7.452	7.614	8.073	6.596	6.829	5.685	5.685	7.610
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1969	1969	1369	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIM	4.300	6.150	8.000	8.650	8.650	9.430	9.780	10.200	12.000	20.000	26.500		
NORMALIZED MAX	2.497	3.242	3.845	3.401	3.435	3.851	3.500	3.269	3.269	3.122	3.057	3.571	
CALC. COEF. VAR	.469	.557	.536	.547	.532	.527	.513	.495	.486	.476	.566	.479	
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.0966	*2387	.2548	.2075	.3028	.3140	.3277	.3494	.3709	.3799	.3973	.4843	.6365	1.0000
RP10/A	.3099	*4523	*4520	*4504	.5157	.5331	.5566	.5892	.6395	.6641	.7965	1.0554	1.5570	
RP25/A	.3928	*4978	.5595	.6104	.6417	.6820	.6841	.7229	.7804	.8039	.9601	.1289	1.0397	
RP50/A	.4361	.5665	.6373	.6981	.7338	.7575	.7761	.8192	.8813	.9033	.1.0764	.1.4572	2.0392	
RP100/A	.4882	.6334	.7137	.7840	.8239	.8503	.8654	.9120	.9789	.9989	.1.1804	.1.6207	2.2303	
RP1000/A	.5654	.8478	.9574	1.0608	1.1143	1.1492	1.2108	1.2873	1.2992	1.3598	2.1412	2.6254		
RP10000/A	.8197	1.0549	1.1931	1.3297	1.3965	1.4396	1.4228	1.4956	1.5811	1.8719	2.6405	3.3833		
PMP/A	1.5695	2.0265	2.3610	2.5642	2.6920	2.7729	2.8688	3.0328	3.2945	3.3829				

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUP  
Y01 7856 1 POMONA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.77	3.62	3.92	4.14	4.33	4.52	4.90	5.24	5.76	6.21	7.14	9.53	15.25
5	4.21	5.56	6.08	6.45	6.74	7.01	7.54	8.01	8.77	9.33	10.57	14.32	21.45
10	5.18	6.85	7.53	8.02	8.37	8.69	9.26	9.82	10.71	11.30	12.74	17.47	25.31
20	6.11	8.08	8.89	9.51	9.93	10.30	10.88	11.52	12.51	13.12	14.74	20.41	26.82
25	6.40	8.46	9.32	9.98	10.42	10.81	11.39	12.05	13.07	13.68	15.34	21.33	29.90
40	7.01	9.23	10.29	10.95	11.44	11.86	12.43	13.14	14.84	15.62	17.33	23.23	32.12
50	7.25	9.63	10.82	11.42	11.92	12.43	13.02	13.55	14.27	15.07	16.72	24.07	33.15
100	8.17	10.76	11.89	12.82	13.30	13.87	14.46	15.21	16.39	17.00	19.01	26.03	36.25
200	9.03	11.88	13.13	14.20	14.82	15.35	15.85	16.74	17.98	18.58	20.75	29.47	39.25
1000	10.98	14.41	15.95	17.35	18.10	18.73	19.13	20.18	21.56	22.13	24.63	35.44	45.93
10000	13.71	17.92	19.87	21.74	22.68	23.48	24.94	26.48	28.94	31.49	43.70	54.99	
PMP	26.24	35.39	39.33	41.93	43.72	45.22	48.07	50.54	55.17	57.58	63.64	88.12	117.68

MEAN	3.122	4.056	4.410	4.701	4.917	5.121	5.454	5.822	6.345	6.762	7.747	10.535	16.254
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.541	.828	.904	.871	.788	.704	.653	.481	.767	.683	.590	.081	.810
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.080	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.080	1.000	1.200	.900

KURTOSIS	2.912	3.667	3.682	3.409	3.254	2.929	2.882	2.681	3.594	3.130	3.495	4.236	3.091
N	47	47	47	47	47	47	47	47	47	47	47	47	47
RECORD YEAR	1958	1943	1927	1938	1938	1949	1969	1938	1938	1938	1938	1938	1938
RECORD MAXIMUM	5.700	8.770	9.790	10.600	11.600	11.880	12.100	12.180	15.660	15.660	16.500	24.860	32.540
NORMALIZED MAX	1.942	2.457	2.495	2.493	2.648	2.429	2.416	2.266	2.920	2.635	2.511	2.816	2.427
CALC. COEF. VAR	.425	.473	.489	.503	.564	.511	.504	.482	.503	.499	.450	.483	.413
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1921	.2495	.2713	.2892	.3025	.3151	.3355	.3582	.3904	.4160	.4768	.6481	.00000
RP10/A	.3189	.4216	.4631	.4933	.5152	.5349	.5698	.6040	.6589	.6954	.7839	.10747	.55570
RP25/A	.3939	.5204	.5733	.6141	.6411	.6650	.7004	.7411	.8040	.8417	.9124	.13124	.6397
RP50/A	.4480	.5922	.6302	.7023	.7311	.7680	.7946	.8299	.9000	.9404	.1.0594	.1.4824	.2.0924
RP100/A	.5255	.6716	.7211	.7921	.8233	.8591	.9250	.9815	.1.0460	.1.1695	.1.5154	.2.1804	.2.8254
RP1000/A	.6755	.8663	.9811	1.0472	1.1133	1.1530	1.1777	1.2143	1.3263	1.3664	1.5154	2.1804	2.8254
RP10000/A	.8438	1.1028	1.2224	1.3377	1.3956	1.4443	1.4855	1.5343	1.6289	1.6576	1.8422	2.6887	3.3933
PMP/A	1.6153	2.1771	2.4199	2.5796	2.6895	2.7819	2.9576	3.1092	3.3942	3.5423	3.9154	5.4215	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
8SN ORDER SUP  
Y01 7123 0 PRADO 0AM

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.08	3.37	3.48	3.47	3.83	3.91	4.20	4.52	4.80	5.91	7.56	12.30
5	3.66	4.73	5.23	5.42	5.40	5.63	6.81	6.41	6.89	7.22	8.17	11.37	17.30
10	4.51	5.83	6.47	6.73	6.71	6.98	7.39	7.86	8.41	8.75	9.85	13.87	20.41
20	5.32	6.87	7.64	7.98	7.95	8.27	8.68	9.22	9.82	10.15	11.39	16.21	23.25
25	5.57	7.20	8.01	8.38	8.35	8.68	9.08	9.65	10.28	10.59	11.39	16.17	24.12
40	6.10	7.87	8.77	9.20	9.14	9.52	9.91	10.52	10.48	11.48	12.85	18.44	25.91
50	6.35	8.19	9.12	9.54	9.49	9.92	10.40	10.82	11.59	11.90	13.31	19.15	26.73
100	7.10	9.15	10.75	10.77	11.13	12.49	12.18	13.72	13.16	14.29	15.49	21.29	29.24
200	7.85	11.26	11.92	11.67	12.07	12.64	13.40	14.18	14.63	15.28	16.03	23.39	31.66
1000	9.55	12.25	13.70	14.56	14.49	15.05	16.26	16.16	16.93	17.11	19.03	28.13	37.04
10000	11.93	15.25	17.07	18.25	18.16	18.85	18.88	19.97	20.79	20.85	23.14	34.69	44.36
PMP	22.84	36.10	33.80	35.20	35.02	36.31	38.34	40.47	43.32	44.56	49.17	69.96	94.92

MEAN	2.715	3.450	3.789	3.946	3.939	4.112	4.349	4.663	4.982	5.233	5.986	8.363	13.110
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.225	1.359	1.186	.957	1.186	1.162	.958	.718	.685	.814	.813	1.701	.950
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	4.672	4.845	3.999	3.547	4.207	4.290	3.621	3.121	2.961	3.092	3.622	6.521	3.366
N	35	34	33	32	35	32	34	34	35	36	35	35	35
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	6.020	8.590	9.000	9.060	9.830	10.320	10.390	10.430	10.820	11.390	13.090	22.710	26.720
NORMALIZED MAX	2.467	2.727	2.502	2.446	2.877	2.688	2.714	2.502	2.474	2.341	2.699	3.426	2.480
CALC. COEF. VAR	.469	.546	.598	.536	.520	.523	.512	.494	.574	.503	.440	.501	.419
REGN. COEF. VAR	.494	.513	.528	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2071	.2631	.2890	.3010	.3004	.3136	.3317	.3557	.3900	.3991	.4566	.6379	.00000
RP10/A	.3439	.4468	.4934	.5134	.5117	.5235	.5634	.5989	.6164	.6672	.7510	1.0577	.55570
RP25/A	.4240	.5886	.6108	.6391	.6367	.6620	.6929	.7358	.7827	.8076	.9052	1.2917	.6397
RP50/A	.4843	.6843	.7310	.7606	.7566	.7906	.8206	.8636	.9147	.9710	.1.0143	1.4044	2.0392
RP100/A	.5419	.8483	.7791	.8099	.8177	.8674	.8761	.9292	.9507	.1.0036	.1.1424	1.5243	2.0303
RP1000/A	.7285	.9347	1.0453	1.1017	1.1056	1.1476	1.1639	1.2325	1.2910	1.3052	1.4517	2.1459	2.6254
RP10000/A	.9097	1.1629	1.3024	1.3923	1.3855	1.4379	1.4400	1.5234	1.5950	1.5904	1.7648	2.6463	3.3033
PMP/A	1.7419	2.2959	2.5782	2.6649	2.6706	2.7693	2.9242	3.0872	3.3040	3.3067	3.7695	5.3359	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
Y01 7264 1

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
RECHE CANYON	1750	18	025	03W	S	33°49'55"	117°21'31"	33	

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.94	2.59	2.80	2.98	3.16	3.32	3.60	3.87	4.35	4.64	5.40	7.32	12.92
5	2.94	3.96	4.35	4.64	4.91	5.15	5.54	5.92	6.62	6.98	8.00	11.01	18.17
10	3.82	4.97	5.36	5.76	6.10	6.39	6.81	7.26	8.08	8.45	9.68	13.43	21.43
20	4.67	5.79	6.36	6.84	7.24	7.77	8.30	8.81	9.64	10.31	11.57	15.71	24.11
25	4.47	6.06	6.67	7.18	7.59	7.94	8.37	8.91	9.86	10.23	11.62	16.40	25.33
40	4.90	6.63	7.33	7.88	8.33	8.72	9.14	9.72	10.07	11.10	12.52	17.86	27.20
50	5.09	6.90	7.60	8.21	8.68	9.08	9.50	10.09	11.14	11.50	13.03	18.55	26.07
100	5.70	7.71	8.50	9.22	9.75	10.19	10.59	11.25	12.37	12.72	14.38	20.63	30.70
200	6.30	8.51	9.39	10.21	10.80	11.28	11.66	12.37	13.57	13.90	15.70	22.66	33.24
1000	7.61	10.61	11.41	12.41	13.19	13.77	14.07	14.92	16.27	16.54	18.64	27.25	38.90
10000	9.58	12.84	14.21	15.63	16.53	17.25	17.81	18.44	19.99	20.15	22.66	31.61	46.98
PHP	18.34	25.35	28.14	30.14	31.86	33.23	35.36	37.37	41.64	43.06	48.16	57.76	99.57
MEAN	2.180	2.906	3.154	3.379	3.583	3.763	4.011	4.305	4.789	5.057	5.862	8.101	13.767
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.070	1.040	1.237	1.331	1.463	1.339	1.132	1.214	1.045	1.000	.993	1.429	.958
REGIONAL SKW	1.460	1.300	1.300	1.460	1.400	1.460	1.200	1.100	1.000	1.000	1.200	.900	
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.100	1.000	1.000	1.200	.900	
KURTOSIS	3.717	3.303	3.968	4.373	5.165	4.623	3.922	4.492	3.930	3.945	3.732	5.438	3.847
RECORD N	355	555	555	555	555	555	555	555	555	555	555	555	555
RECORD MAXIMUM	1938	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937
NORMALIZED MAX	4.220	6.100	6.790	8.240	9.450	9.450	9.450	10.830	11.050	12.450	13.500	21.320	27.780
CALC. COEF. VAR	.440	.467	.480	.499	.491	.480	.478	.472	.452	.459	.452	.474	.385
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416	
MEAN/A	1.164	2.111	.2391	.2455	.2683	.2733	.2914	.3137	.3479	.3474	.4558	.5884	1.0000
RP10/A	.2830	.3566	.3911	.4187	.4433	.4641	.4949	.5273	.5872	.6141	.7004	.9757	1.5570
RP25/A	.3248	.4402	.4842	.5212	.5516	.5769	.6083	.6469	.7166	.7433	.8442	1.1916	1.8397
RP50/A	.3701	.5009	.5517	.5961	.6307	.6594	.6901	.7332	.8092	.8352	.9465	1.3472	2.0392
RP100/A	.4143	.5601	.6176	.6695	.7082	.7401	.7695	.8169	.8988	.9237	1.0449	1.4983	2.2303
RP1000/A	.5570	.7497	.8286	.9059	.9579	1.0004	1.0223	1.0836	1.1820	1.2013	1.3539	1.9795	2.8254
RP10000/A	.6956	.9328	1.0324	1.1355	1.2004	1.2531	1.2648	1.3393	1.4517	1.4638	1.6459	2.4411	3.3833
PHP/A	1.3319	1.8415	2.0438	2.1898	2.3140	2.4137	2.5665	2.7142	3.0250	3.1282	3.4982	4.9222	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
85N ORDER SUB  
Y01 7306 0

STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
RED LANDS	1318	28	015	03W	J	5	34°05'	117°19'	36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.73	2.34	2.53	2.71	2.89	3.08	3.35	3.60	4.16	4.61	5.34	7.25	13.03
5	2.62	3.60	3.93	4.23	4.50	4.78	5.16	5.49	6.34	6.93	7.91	10.90	18.33
10	3.23	4.63	5.25	5.74	5.53	5.93	6.34	6.74	7.41	8.09	9.54	13.24	21.21
20	3.11	4.64	5.74	6.49	6.63	7.02	7.77	7.90	9.04	9.75	11.64	15.53	24.63
25	3.99	5.47	6.01	6.54	6.96	7.77	7.79	8.26	9.45	10.16	11.50	16.23	25.55
40	4.37	5.99	6.98	7.18	7.64	8.09	8.51	9.01	9.65	11.02	12.45	17.68	27.44
50	4.54	6.23	6.89	7.46	7.96	8.42	8.84	9.37	10.67	11.62	12.89	18.35	28.32
100	5.09	6.96	7.67	8.40	8.93	9.45	9.86	10.44	11.85	12.63	14.23	20.41	30.97
200	5.62	7.69	8.47	9.30	9.90	10.47	10.85	11.25	12.05	12.80	13.80	15.53	22.42
1000	6.84	11.80	12.42	12.44	15.14	16.11	16.20	17.11	17.64	20.17	21.44	26.94	37.54
10000	8.54	14.80	15.24	15.14	16.11	16.20	17.11	17.64	20.17	22.42	24.46	34.99	
PHP	16.35	22.90	23.38	27.44	29.19	30.93	32.90	34.67	39.88	42.77	47.64	67.05	100.55
MEAN	1.945	2.625	2.845	3.079	3.284	3.491	3.733	3.994	4.587	5.023	5.800	8.016	13.888
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.694	1.084	1.243	1.138	.981	.977	.906	.994	.761	.735	.614	.933	.709
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.100	1.000	1.000	1.200	.900	
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.100	1.000	1.000	1.200	.900	
KURTOSIS	2.941	3.633	4.325	3.975	3.980	3.841	3.606	3.988	3.091	3.120	3.068	4.171	3.078
RECORD N	82	82	82	82	82	82	81	81	81	81	81	80	86
RECORD MAXIMUM	1916	1943	1927	1957	1943	1922	1922	1922	1922	1922	1922	1922	1899
NORMALIZED MAX	3.01	5.10	6.00	7.00	8.00	8.00	8.00	8.00	8.00	10.10	11.00	12.40	20.740
CALC. COEF. VAR	.376	.452	.467	.465	.461	.455	.452	.456	.452	.452	.452	.452	.452
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.522	.521	.512	.513	.501	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.522	.521	.512	.513	.501	.481	.416
MEAN/A	1.1400	1.1890	1.2049	1.2217	1.2364	1.2514	1.2688	1.2876	1.3003	1.3167	1.4176	1.5772	1.0000
RP10/A	.4295	.3193	.3497	.3792	.4027	.4268	.4565	.4850	.5575	.6045	.6869	.9871	1.5570
RP25/A	.2872	.3942	.4330	.4706	.5011	.5306	.5611	.5950	.6803	.7310	.8279	1.1686	1.8397
RP50/A	.3272	.4485	.4934	.5384	.5729	.6065	.6366	.6744	.7682	.8223	.9283	1.9235	2.0392
RP100/A	.3663	.5019	.5923	.6946	.6433	.6807	.7098	.7514	.8532	.9093	1.0248	1.9468	2.2303
RP1000/A	.4924	.6713	.7410	.8181	.8701	.9200	.9431	.9967	1.1221	1.1827	1.3278	1.9416	2.6254
RP10000/A	.6150	.8352	.9326	1.0255	1.0964	1.1525	1.1668	1.2319	1.3781	1.4410	1.6142	2.9453	3.3833
PHP/A	1.1776	1.6489	1.8276	1.9776	2.1020	2.2199	2.3694	2.4495	2.6717	3.0790	3.4307	4.8283	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 7469 1 RY50 CO FLOOD CONT 820 14 025 05W 5 34°00' 117°37' 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.52	1.97	2.14	2.29	2.49	2.55	2.79	2.97	3.28	3.46	4.14	5.62	9.37
5	2.31	3.03	3.32	3.57	3.87	3.96	4.29	4.53	5.00	5.21	6.13	8.44	13.18
10	2.85	3.73	4.16	4.64	4.81	4.92	5.24	5.56	6.10	6.31	7.35	10.30	15.54
20	3.92	4.60	5.05	5.47	5.75	5.82	6.19	6.52	7.13	7.32	8.55	12.00	17.70
40	5.85	5.04	5.56	6.07	6.57	6.71	7.07	7.44	7.60	8.28	9.64	13.70	19.72
50	4.01	5.24	5.79	6.32	6.84	6.99	7.35	7.73	8.41	8.58	9.92	14.22	20.36
100	4.49	5.82	6.48	7.10	7.68	7.84	8.19	8.62	9.34	9.49	11.02	15.81	22.26
200	4.98	6.47	7.16	7.87	8.51	8.65	9.02	9.48	10.25	10.37	12.03	17.37	24.10
500	6.03	7.84	8.66	9.61	10.35	10.60	10.89	11.12	12.28	12.34	14.28	20.89	26.20
1000	7.84	9.76	10.83	12.04	13.49	13.76	14.11	14.54	15.76	15.86	17.56	23.77	31.77
PMP	14.43	19.27	21.44	23.22	25.09	25.57	27.35	28.62	31.43	32.14	36.90	51.95	72.27

MEAN	1.716	2.208	2.404	2.603	2.896	3.103	3.298	3.615	3.775	4.492	6.210	9.982	
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.258	.726	1.074	.877	1.018	1.011	.856	.764	.576	.847	1.262	2.413	1.171
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	2.502	3.687	4.647	3.571	3.733	3.810	3.722	3.284	3.058	4.234	6.055	11.701	5.641
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1956	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.870	4.90	5.20	5.00	6.00	6.00	6.00	7.00	7.240	8.400	10.000	19.000	23.080
NORMALIZED MAX	1.669	2.069	2.706	2.322	2.354	2.380	2.548	2.448	2.470	3.123	3.800	5.160	7.360
CALC. COEF. VAR	.418	.451	.510	.522	.513	.493	.488	.469	.458	.467	.437	.422	.416
REGN. COEF. VAR	.494	.515	.528	.528	.526	.521	.512	.513	.501	.481	.491	.416	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.521	.512	.513	.501	.481	.491	.416	.416

MEAN/A	.1719	.2212	.2408	.2609	.2901	.3108	.3304	.3622	.3781	.4500	.6100	.8700	.0000
RP10/A	.2854	.3738	.4111	.4449	.4816	.4925	.5279	.5571	.6113	.6321	.7491	.9037	.1037
RP25/A	.3525	.4614	.5089	.5538	.5952	.6123	.6489	.6835	.7460	.7651	.8921	.12599	.13.97
RP50/A	.4016	.5250	.5799	.6334	.6852	.6998	.7361	.7746	.8244	.8597	.1.0000	.1.2452	.2.0392
RP100/A	.4496	.5871	.6492	.7113	.7693	.7855	.8269	.8631	.9357	.9508	.1.1042	.1.5843	.2.2363
RP1000/A	.6045	.7858	.8710	.9624	1.0406	1.0516	1.0965	1.1448	1.2305	1.2366	1.4307	2.0930	2.9254
RP10000/A	.7549	.9777	1.0852	1.2064	1.3041	1.3299	1.3493	1.4150	1.5113	1.5067	1.7391	2.5811	3.3833
PMP/A	1.4455	1.9302	2.1483	2.3264	2.5138	2.5611	2.7400	2.8676	3.1491	3.2199	3.6965	5.2044	7.2000

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 7470 0 RIVERSIDE FIRE STATION 3 840 34 025 05W 5 33°05' 117°38' 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.54	1.97	2.13	2.24	2.39	2.53	2.74	2.94	3.37	3.68	4.35	5.78	9.92
5	2.33	3.03	3.31	3.49	3.71	3.92	4.21	4.49	5.14	5.53	6.44	8.69	13.95
10	2.87	3.74	4.14	4.43	4.61	4.82	5.18	5.51	6.27	6.74	7.60	10.60	16.46
20	3.19	4.41	4.83	5.15	5.57	5.77	6.16	6.46	7.19	7.78	8.98	12.99	19.75
25	3.55	4.61	5.06	5.40	5.74	6.05	6.36	6.76	7.45	8.12	9.36	12.95	19.45
40	3.88	5.05	5.54	5.93	6.29	6.64	6.95	7.37	7.81	8.80	10.13	14.10	20.89
50	4.04	5.25	5.77	6.18	6.56	6.91	7.22	7.66	8.64	9.12	10.49	14.64	21.56
100	4.52	5.87	6.46	6.94	7.36	7.76	8.05	8.53	9.60	10.05	11.58	16.28	23.58
200	5.00	6.48	7.13	7.69	8.10	8.59	8.86	9.39	10.53	11.02	12.64	17.89	25.53
500	6.00	7.86	8.66	9.39	9.96	10.49	10.70	11.31	12.63	13.12	15.91	21.50	29.87
1000	7.60	9.78	10.79	11.77	12.48	13.14	13.83	14.54	15.98	16.55	18.52	24.52	31.77
PMP	14.55	19.30	21.37	22.69	24.06	25.31	26.67	28.34	32.31	34.16	38.78	53.48	76.54

MEAN	1.730	2.212	2.396	2.544	2.706	2.866	3.048	3.265	3.716	4.011	4.721	6.394	10.572
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.476	1.599	1.494	1.613	1.695	1.664	1.350	1.318	1.143	.891	.778	.942	.760
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	5.949	6.442	6.009	6.787	7.820	7.455	5.999	5.657	4.729	3.594	3.174	3.645	3.411
N	77	77	77	76	76	77	77	77	76	77	77	77	77
RECORD YEAR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1941
RECORD MAXIMUM	4.240	6.70	7.240	8.210	9.110	9.000	9.511	10.210	10.810	10.480	15.300	22.120	
NORMALIZED MAX	3.330	3.848	3.927	4.227	4.554	4.492	4.204	3.981	3.617	3.149	2.675	3.066	2.926
CALC. COEF. VAR	.467	.512	.515	.527	.522	.497	.485	.480	.488	.501	.456	.498	.393
REGN. COEF. VAR	.494	.515	.528	.528	.526	.521	.512	.513	.501	.481	.491	.416	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.481	.491	.416	.416

MEAN/A	.1636	.202	.2266	.2406	.2560	.2711	.2883	.3088	.3515	.3794	.4465	.6048	1.0000
RP10/A	.2716	.3535	.3668	.4105	.4359	.4692	.4897	.5209	.5333	.6342	.7344	1.0228	1.5570
RP25/A	.3356	.4364	.4789	.5110	.5425	.5752	.6019	.6369	.7240	.7677	.8853	1.2246	1.6397
RP50/A	.3823	.4966	.5457	.5844	.6203	.6539	.6829	.7241	.8176	.8826	.9926	1.3048	2.0392
RP100/A	.4280	.5553	.6108	.6563	.6964	.7340	.7643	.8069	.9081	.9839	1.0958	1.5400	2.2303
RP1000/A	.5754	.7433	.8195	.8880	.9420	.9921	1.0116	1.0702	1.1942	1.2407	1.4194	2.0345	2.8254
RP10000/A	.7186	.9246	1.0211	1.1131	1.1805	1.2428	1.2956	1.3228	1.4667	1.5117	1.7260	2.5086	3.9885
RP4/A	1.3759	1.6257	2.0213	2.1465	2.2705	2.3937	2.5416	2.6860	3.0563	3.2300	3.6804	5.0568	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB YDI 7473 0 RIVERSIDE 1018 30 025 04W K 5 33.967 117.395 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.55	1.99	2.16	2.31	2.43	2.53	2.74	2.92	3.18	3.46	4.05	5.47	9.72
5	2.35	3.07	3.35	3.60	3.78	3.92	4.21	4.45	4.84	5.21	6.00	8.23	13.67
10	2.90	3.78	4.14	4.47	4.70	4.87	5.17	5.46	5.91	6.31	7.23	10.03	16.13
20	3.41	4.45	4.89	5.31	5.57	5.87	6.08	6.41	6.90	7.32	8.37	11.72	18.37
25	3.56	4.67	5.13	5.57	5.84	6.05	6.36	6.70	7.21	7.64	8.72	12.25	19.06
40	3.92	5.10	5.61	6.11	6.42	6.64	6.94	7.31	7.36	8.28	9.44	13.34	20.47
50	4.08	5.31	5.84	6.37	6.68	6.91	7.22	7.59	8.14	8.58	9.77	13.85	21.12
100	4.56	5.94	6.54	7.15	7.50	7.76	8.04	8.6	9.04	9.49	10.79	15.41	23.10
200	5.15	6.85	7.97	8.72	9.31	9.86	10.48	11.92	13.37	14.78	16.21	20.11	29.27
1000	6.13	7.95	9.46	10.15	10.49	10.69	11.22	11.89	12.34	13.98	20.35		
10000	7.66	9.85	10.93	12.13	12.72	13.14	13.23	13.87	14.60	15.04	17.00	25.10	35.05
PMP	14.67	19.52	21.65	23.40	24.52	25.31	26.85	28.11	30.43	32.13	36.12	50.61	75.00

MEAN	1.744	2.237	2.426	2.623	2.758	2.866	3.047	3.239	3.500	3.773	4.397	6.050	10.359
CLOCK HR. COR.	1.140	1.670	1.040	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.003	1.696	1.746	1.546	1.502	1.604	1.533	1.354	1.418	1.304	1.312	1.292	1.931
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.290	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.260	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	3.286	2.703	2.687	2.685	2.467	2.442	2.456	2.355	2.570	2.139	2.524	5.971	3.953
N	50	50	49	50	50	50	50	50	50	49	50	50	50
RECORD YEAR	1944	1943	1969	1938	1969	1943	1926	1926	1969	1969	1952	1969	1941
RECORD MAXIMUM	3.490	4.270	4.770	4.890	5.250	5.430	6.250	6.430	7.150	8.270	15.990	23.010	
NORMALIZED MAX	2.277	2.645	2.080	1.899	2.058	2.075	2.392	2.279	2.395	2.008	2.287	3.630	2.085
CALC. COEF. VAR	.439	.444	.465	.455	.439	.435	.447	.432	.435	.446	.385	.453	.423
REON. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1684	.2160	.2342	.2532	.2662	.2767	.2941	.3127	.3379	.3643	.4245	.5841	1.0000
RP10/A	.2796	.3649	.3998	.4319	.4534	.4697	.4996	.5273	.5703	.6069	.6982	.9685	1.5570
RP25/A	.3454	.4504	.4949	.5377	.5642	.5840	.6140	.6469	.6959	.7371	.8416	.1.1927	1.8397
RP50/A	.3934	.5125	.5644	.6150	.6451	.6674	.6964	.7331	.7859	.8282	.9435	1.3372	2.0392
RP100/A	.4405	.5744	.6133	.6966	.7244	.7491	.7768	.8169	.8729	.9159	.1.0447	.1.4872	2.2103
RP1000/A	.5222	.7671	.8474	.9074	.9798	1.0125	1.0300	1.0585	1.1480	1.2402	1.3197	1.6266	2.8564
RP10000/A	.7256	.9564	1.0553	1.1713	1.2279	1.2440	1.2648	1.3393	1.4099	1.4515	1.6408	2.4230	3.3833
PMP/A	1.4161	1.8842	2.0892	2.2587	2.3669	2.4450	2.5928	2.7141	2.9379	3.1019	3.4872	4.8855	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB YDI 7711 0 SAN ANTONIO CANYON 2394 13 01M 08W S 34.173 117.675 70

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.10	5.51	6.01	6.41	6.81	7.22	7.77	8.28	9.44	10.27	11.85	15.73	25.29
5	6.22	8.46	9.23	9.89	10.59	11.20	11.95	12.65	14.37	15.44	17.55	23.65	35.58
10	7.66	10.43	11.54	12.41	13.16	13.90	14.68	15.52	17.55	18.71	21.19	28.84	41.97
20	9.05	12.29	13.63	14.73	15.60	16.47	17.25	18.20	20.49	21.72	24.48	33.70	47.79
25	9.47	12.88	14.29	15.45	16.37	17.28	18.05	19.03	21.41	22.65	25.50	32.22	49.59
40	10.36	14.09	15.64	16.76	17.97	18.96	19.77	20.76	21.86	24.56	27.61	38.36	53.26
50	10.79	14.68	16.28	17.70	18.72	19.75	20.66	21.57	24.05	26.45	28.69	38.47	54.97
100	12.05	16.18	18.22	19.85	20.87	22.40	24.24	26.04	28.25	31.28	34.11	44.29	60.12
200	12.45	16.28	18.48	20.13	21.49	23.28	25.14	26.94	29.64	31.05	34.45	46.66	65.09
1000	16.23	21.93	24.45	26.85	28.43	29.96	30.34	31.88	35.32	36.60	40.90	58.51	76.16
10000	20.27	27.29	30.46	33.66	35.63	37.52	37.93	39.61	43.38	44.59	49.72	72.16	91.19
PMP	36.82	53.87	60.30	64.91	68.68	72.28	76.22	79.86	90.38	95.30	105.68	145.50	195.15

MEAN	4.616	6.174	6.761	7.277	7.729	8.185	8.646	9.201	10.395	11.192	12.864	17.393	26.955
CLOCK HR. COR.	1.140	1.670	1.040	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.094	1.430	1.125	1.254	1.280	1.200	1.057	1.011	1.058	.875	.862	.994	.521
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	3.945	6.534	4.352	4.352	4.724	4.719	4.470	4.146	4.181	3.577	3.731	3.338	2.305
N	66	66	66	66	66	66	66	66	66	66	66	66	69
RECORD YEAR	1943	1943	1943	1943	1967	1969	1969	1969	1916	1916	1916	1916	1916
RECORD MAXIMUM	10.050	18.850	18.950	19.500	21.140	21.140	23.200	23.470	26.300	28.780	33.480	42.340	49.450
NORMALIZED MAX	2.415	3.798	3.311	2.990	3.129	2.936	3.200	3.059	3.243	3.094	3.261	2.806	2.117
CALC. COEF. VAR	.487	.541	.545	.562	.555	.539	.526	.507	.534	.508	.491	.511	.394
REON. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1713	.2291	.2508	.2700	.2866	.3037	.3208	.3413	.3856	.4152	.4773	.6453	1.0000
RP10/A	.2843	.3870	.4281	.4605	.4861	.5155	.5448	.5756	.6509	.6940	.7850	1.0700	1.5570
RP25/A	.3513	.4777	.5300	.5733	.6073	.6409	.6696	.7062	.7943	.8461	.9462	1.3667	1.8397
RP50/A	.4001	.5436	.6039	.6595	.6945	.7325	.7597	.8003	.8770	.9440	1.0808	1.4311	2.0392
RP100/A	.4400	.6136	.6876	.7561	.8223	.8522	.8824	.9193	.9591	.9932	1.0411	1.4311	2.0393
RP1000/A	.6023	.8136	.9063	.9943	1.0547	1.1303	1.1254	1.1828	1.3102	1.3750	.5174	2.1708	6.8254
RP10000/A	.7522	1.0123	1.1301	1.2408	1.3217	1.3921	1.3924	1.4622	1.6092	1.6544	1.8447	2.6770	3.1033
PMP/A	1.4403	1.9985	2.2373	2.4083	2.5478	2.6914	2.8275	2.9628	3.3535	3.9207	5.3978	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 7723 0 SAN BERNARDINO 1125 3A 0IN 0AW S 34.163 117.267 36

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	400D	500D	600D	365D
2	1.93	2.67	3.05	3.30	3.52	3.72	4.06	4.41	5.08	5.64	6.51	8.83	15.09										
5	2.93	4.11	4.74	5.13	5.47	5.77	6.25	6.74	7.73	8.47	9.64	13.27	21.22										
10	3.61	5.06	5.86	6.38	6.79	7.17	7.66	8.27	9.44	10.26	11.62	16.19	25.03										
20	4.25	5.97	6.93	7.57	8.06	8.49	9.01	9.67	11.02	11.91	13.44	18.92	26.50										
25	4.45	6.25	7.26	7.94	8.45	8.91	9.44	10.15	11.52	12.42	14.01	19.77	29.57										
50	4.64	6.49	7.50	8.22	9.28	9.76	10.31	11.11	12.54	13.47	15.17	21.53	31.77										
50	5.07	7.11	8.04	9.08	9.74	10.18	10.71	11.50	13.01	13.96	15.37	22.35	32.78										
100	5.66	7.95	9.26	10.20	10.85	11.43	11.94	12.81	14.44	15.44	17.34	24.05	36.85										
200	6.28	8.78	10.23	11.30	12.02	12.66	13.15	14.10	15.85	16.87	18.92	27.31	38.82										
1000	7.64	10.65	12.42	13.80	14.68	15.45	15.87	17.00	19.00	20.08	22.46	32.84	45.42										
10000	9.54	13.24	15.48	17.30	18.39	19.35	19.63	21.01	23.33	24.46	27.31	40.59	54.39										
PMP	18.26	26.19	30.64	33.37	35.46	37.27	39.85	42.56	46.62	52.28	58.04	81.66	116.39										

MEAN	2.172	2.997	3.435	3.740	3.989	4.221	4.522	4.905	5.591	6.140	7.055	9.762	19.076										
CLOCK HR. COR.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000										
CALCULATED SKEW	1.239	1.888	1.080	1.180	1.127	1.106	1.070	1.076	1.027	1.027	1.027	1.027	1.027										
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000										
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.100	1.000	1.000	1.000	1.000										

KURTOSIS	4.393	3.376	3.483	3.951	3.954	3.971	4.191	4.149	4.003	3.726	4.204	4.946	4.076										
N	82	83	82	82	81	82	83	82	83	82	83	83	83										
RECORD YEAR	1916	1943	1916	1967	1938	1938	1959	1959	1959	1959	1959	1959	1959										
RECORD MAXIMUM	5,290	7,020	7,670	8,970	9,820	9,990	11,710	12,040	13,460	13,760	16,430	26,800	36,440										
NORMALIZED MAX	3,223	2,765	2,496	2,633	3,003	2,866	3,411	3,123	2,972	2,720	3,004	3,770	3,346										
CALC. COEF. VAR	.446	.486	.494	.493	.467	.477	.466	.466	.474	.455	.441	.463	.379										
REDN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416										
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416										

MEAN/A	.1351	.1864	.2137	.2481	.2626	.2913	.3051	.3478	.3820	.4395	.4672	.5072	.1.0000											
RP10/A	.2243	.3150	.3648	.3969	.4226	.4458	.4777	.5145	.5571	.6384	.7229	.1.0069	.15570											
RP20/A	.2771	.3848	.4516	.4811	.5285	.5542	.5776	.6313	.7164	.7728	.8113	.1.2297	.18397											
RP50/A	.3124	.4124	.4855	.5255	.5655	.5974	.6254	.6864	.7464	.8074	.8797	.9433	.1.0325											
RP100/A	.3534	.4947	.5760	.6346	.6762	.7109	.7571	.8088	.8968	.9603	1.0785	1.1563	2.0208											
RP1000/A	.4751	.6622	.7728	.8585	.9130	.9609	.9869	1.0573	1.1817	1.2490	1.3197	2.0428	.42524											
RP10000/A	.5933	.8239	.9828	1.0763	1.1442	1.2037	1.2211	1.3069	1.4514	1.5219	1.6988	2.5191	3.3833											
PMP/A	1.1361	1.6265	1.9061	2.0755	2.2057	2.3185	2.4798	2.6485	3.0243	3.2523	3.6105	5.0795	7.2400											

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB Y01 7888 0 SANTA ANA FIRE STATION 115 3A 0IN 0AW 33.744 117.867 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	40D	50D	60D	80D	100D	150D	200D	300D	400D	500D	600D	365D
2	2.18	2.77	3.10	3.23	3.46	3.51	3.85	4.12	4.64	5.10	6.04	8.09	13.15										
5	3.31	4.26	4.81	5.03	5.21	5.44	5.92	6.30	7.07	7.66	8.94	12.17	16.49										
10	4.08	5.25	5.96	6.25	6.47	6.75	7.27	7.72	8.63	9.28	10.78	14.84	21.81										
20	4.80	6.18	7.04	7.41	7.67	8.00	8.54	9.06	10.09	10.78	12.47	17.34	24.84										
25	5.03	6.48	7.47	7.78	8.06	8.39	8.94	9.47	10.54	11.24	12.99	18.12	25.77										
50	5.51	7.08	8.00	8.54	8.84	9.21	9.76	10.34	10.76	11.29	12.19	14.07	19.74										
50	5.73	7.47	8.00	8.61	9.16	9.59	10.24	10.71	11.23	11.96	12.21	13.56	19.57										
100	6.42	8.24	9.41	9.99	10.34	10.77	11.37	11.96	12.21	13.06	13.88	16.08	21.24										
200	7.10	9.10	10.39	11.67	11.45	11.92	12.45	13.15	14.55	15.87	17.38	18.16	20.83										
1000	8.63	11.03	12.62	13.52	13.98	14.55	15.02	15.87	17.38	18.16	21.34	22.13	33.13										
10000	10.78	13.73	15.72	16.94	17.52	18.23	18.85	19.61	21.34	22.13	25.33	37.13	47.39										
PMP	20.64	27.10	31.13	32.68	33.77	35.11	37.74	39.75	44.48	47.29	53.83	74.86	101.42										

MEAN/A	2.454	3.106	3.663	3.799	3.976	4.282	4.379	5.115	5.554	6.353	6.950	10.008											
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000										
CALCULATED SKEW	.693	.899	.700	.681	.662	.821	.625	.491	.439	.485	.994	.998	.1.107										
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000										
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000										

KURTOSIS	2.856	3.227	3.664	2.540	2.975	2.479	2.296	2.146	2.434	4.142	3.692	4.713											



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## PRECIPITATION DEPTM=DURATION-FREQUENCY TABLE

STATION NO. 8SN ORDER SUB Y01 7888 1	STATION NAME SANTA ANA	ELEV 125	SEC 125	TWP RNG LOT BWM	LATITUDE 33.750	LONGITUDE 117.870	COUNTY CODE 30
RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAY H=HOURS						
	1D	20	30	4D	W	YR	
2	2.25	2.76	2.89	3.10	11.60		
5	3.42	4.24	4.49	4.83	16.56		
10	4.21	5.23	5.54	6.00	19.92		
20	4.96	6.15	6.55	7.12	23.13		
25	5.20	6.45	6.86	7.47	24.13		
40	5.69	7.06	7.51	8.20	26.23		
50	5.92	7.34	7.82	8.54	27.21		
100	6.63	8.21	8.75	9.59	30.22		
200	7.33	9.06	9.67	10.62	33.19		
1000	8.92	10.99	11.74	12.46	38.94		
10000	11.11	13.57	14.83	16.27	49.37		
PMP	21.32	26.99	28.94	31.37	92.69		

MEAN	2.535	3.094	3.246	3.517	12.802
CLOCK HR., CORR.	1.140	1.070	1.040	1.020	1.000
CALCULATED COEF.	1.140	1.070	1.010	1.000	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	5.070	5.482	3.718	2.934	5.474
RECORD YEAR	1956	1956	1956	1956	1941
RECORD MAXIMUM	5.400	7.740	7.740	7.750	32.140
NORMALIZED MAX	2.524	3.053	2.683	2.464	3.262
CALC. COEF. VAR	.454	.492	.516	.488	.493
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1980	.2417	.2536	.2747	1.0000
RP10/A	.3288	.4083	.4328	.4486	1.5560
RP25/A	.4061	.5040	.5358	.5833	1.8851
RP50/A	.4627	.5735	.6106	.6671	2.1255
RP100/A	.5180	.6413	.6835	.7492	2.3609
RP1000/A	.6964	.8584	.9170	1.0137	3.1195
RP10000/A	.8697	1.0680	1.1425	1.2706	3.8565
PMP/A	1.6653	2.1084	2.2618	2.4503	7.2400

STATION NO. 8SN ORDER SUB Y01 7891 0	STATION NAME SANTA ANA PH3	ELEV 1980	SEC 04	TWP 015	RNG 02W	BWM	LATITUDE 34.108	LONGITUDE 117.115	COUNTY CODE 36
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAY H=HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.19	2.99	3.41	3.64	3.87	4.14	4.55	4.93	5.81	6.39	7.35	10.14	19.64
5	3.32	4.59	5.30	5.68	6.02	6.41	7.04	7.53	8.64	9.61	10.89	15.25	26.21
10	4.49	6.19	6.92	7.46	7.98	8.37	8.85	9.45	11.26	11.64	13.13	16.40	34.92
20	4.92	6.57	7.75	8.37	8.88	9.43	10.17	11.84	12.61	13.52	15.19	21.74	35.21
25	5.05	6.98	8.12	8.78	9.31	9.90	10.64	11.32	13.17	14.10	15.82	22.71	36.53
40	5.53	7.64	8.89	9.64	10.22	10.86	11.61	12.35	13.45	15.29	17.13	24.74	39.24
50	5.75	7.95	9.25	10.05	10.65	11.31	12.07	12.85	14.82	15.84	17.74	25.68	40.50
100	6.44	8.89	10.35	11.28	11.99	12.70	13.46	14.31	15.52	17.52	19.59	26.55	44.29
200	7.12	9.81	11.44	12.50	13.24	14.06	14.91	15.75	16.84	18.14	21.39	31.47	47.96
1000	10.46	13.89	14.80	15.89	16.71	17.61	18.68	19.84	21.73	22.18	23.38	33.73	55.11
10000	16.91	14.80	17.31	19.13	20.27	21.50	22.12	23.47	26.89	27.76	30.85	46.53	67.19
PMP	20.70	29.21	34.27	36.90	39.07	41.40	44.92	47.55	55.61	59.32	65.57	93.93	143.70

STATION NO. 8SN ORDER SUB Y01 7891 0	STATION NAME SANTA ANA PH3	ELEV 1980	SEC 04	TWP 015	RNG 02W	BWM	LATITUDE 34.108	LONGITUDE 117.115	COUNTY CODE 36
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MEAN	2.461	3.348	3.642	4.137	4.394	4.689	5.096	5.479	6.395	6.997	7.981	11.217	19.889
CLOCK HR., CORR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED COEF.	1.116	1.308	1.133	1.289	1.167	1.205	1.349	1.412	1.245	1.948	1.778	.999	.4000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	1.000	1.000
SKW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.000	1.000	1.200	1.000	1.000

KURTOSIS	4.333	4.211	3.813	4.259	4.512	3.920	4.323	4.653	4.619	3.890	3.292	4.632	3.504
RECORD YEAR	1957	1957	1957	1957	1957	1957	1957	1957	1957	1957	1957	1957	1957
RECORD MAXIMUM	4.300	6.280	7.000	8.610	9.400	9.490	10.700	13.040	15.350	16.060	16.070	25.290	35.940
NORMALIZED MAX	2.349	2.216	2.740	2.740	2.740	2.740	2.740	3.164	3.221	3.067	2.629	3.134	2.599
CALC. COEF. VAR	.318	.395	.416	.412	.416	.407	.404	.436	.435	.426	.385	.400	.312
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.501	.481	.491	.416	

MEAN/A	.1239	.1686	.1934	.2083	.2213	.2361	.2566	.2759	.3220	.3908	.4019	.5648	1.0000
RP10/A	.2056	.2649	.3302	.3553	.3769	.4009	.4358	.4682	.5430	.5864	.6610	.9366	1.5570
RP25/A	.2542	.3517	.4098	.4423	.4689	.4983	.5357	.5707	.6633	.7098	.7968	.11438	1.8397
RP50/A	.2896	.4002	.4658	.5059	.5382	.5696	.6077	.6468	.7490	.7976	.8933	.12932	2.0392
RP100/A	.3242	.4474	.5214	.5681	.6021	.6393	.6776	.7207	.8319	.8820	.9862	.14302	2.2303
RP1000/A	.4359	.5899	.6996	.7687	.8143	.8641	.9560	.1.0491	.1.1472	.1.2779	.1.9001	.2.46254	
RP10000/A	.5444	.7452	.8716	.9635	.1.0205	1.0524	1.1138	1.1810	1.3438	1.3978	1.5535	2.34201	3.3833
PMP/A	1.0423	1.4711	1.7256	1.8581	1.9672	2.0849	2.2619	2.3946	2.8001	2.9871	3.3017	4.7247	7.2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 5  
BSN ORDER SUB  
Y01 7694 0 STATION NAME SANTA ANA RIVER PH 1 ELEV 2765 SEC 36 TWP 08M LATITUDE 34°15' LONGITUDE 117°06' COUNTY CODE 36

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.75	3.90	4.12	4.38	4.57	4.75	5.15	5.62	6.36	7.05	8.54	11.59	21.08
5	4.16	6.00	6.39	6.82	7.10	7.36	7.92	8.58	9.69	10.59	12.64	17.43	29.65
10	5.14	7.40	7.91	8.48	8.82	9.14	9.74	10.53	11.83	12.84	15.24	21.26	34.97
20	6.07	8.72	9.34	10.03	10.46	10.83	11.44	12.35	13.82	14.90	17.84	23.84	39.83
25	6.53	9.35	10.56	10.98	11.30	11.77	12.47	13.84	15.54	17.37	25.00	41.32	
50	6.96	9.99	11.72	11.59	12.65	13.44	13.07	14.09	14.76	16.85	19.89	28.27	48.38
50	7.24	10.39	11.15	12.08	12.85	13.98	13.58	14.84	16.31	17.46	20.60	29.35	45.80
100	8.11	11.62	12.44	13.56	14.10	14.57	15.15	16.31	18.11	19.31	22.74	32.65	50.09
200	8.96	12.82	13.79	15.02	15.81	16.13	16.67	17.94	19.87	21.10	24.82	35.87	54.24
1000	10.90	15.55	16.75	18.35	19.07	19.69	20.41	21.63	23.02	25.11	29.46	43.13	63.46
10000	13.61	19.34	20.07	23.00	23.96	24.67	24.90	26.74	28.60	35.82	53.19	75.99	
RPNP/A	26.66	38.19	41.31	44.36	48.66	47.52	50.56	54.19	56.96	65.40	76.13	107.25	182.61

MEAN	3.098	4.377	4.631	4.973	5.181	5.301	5.736	6.243	7.010	7.680	9.267	12.821	22.460
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.860	1.725	1.567	2.546	2.637	2.488	2.067	1.835	1.755	.880	.559	.497	.636
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.200	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.200	1.200	1.200	1.200	1.000	1.000	1.200	
KURTOSIS	7.305	6.374	5.835	11.415	12.074	11.042	8.897	8.293	5.915	4.147	3.242	2.570	2.825
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1940
RECORD MAXIMUM	7.780	12.180	12.500	16.290	17.040	17.040	17.040	17.100	17.100	17.150	18.370	23.040	37.710
NORMALIZED MAX	21.71	29.90	30.00	3.866	3.918	3.812	3.644	3.330	3.330	2.611	2.000	1.900	1.915
CALC. COEF. VAR	.540	.600	.568	.598	.644	.560	.541	.487	.444	.439	.395	.387	.355
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.513	.501	.481	.491	
MEAN/A	1.379	1.949	.2062	2.214	2.2307	2.396	2.2554	2.779	3.121	3.419	4.26	5.708	1.0000
RP1/A	.2290	.3293	.3500	.3700	.3929	.4006	.4337	.4660	.5262	.5716	.5700	.5505	1.5570
RP25/A	.2697	.4065	.4397	.4702	.4957	.5131	.5750	.6099	.6499	.6909	.8180	.11559	1.6897
RP50/A	.3223	.4965	.5377	.5909	.5780	.6026	.6517	.7240	.7774	.9171	.13069		1.392
RP100/A	.3609	.5172	.5558	.6039	.6276	.6487	.7474	.7261	.8083	.8597	.9124	.14536	2.2303
RP1000/A	.4851	.6922	.7457	.8171	.8489	.8768	.9860	.9531	.1.0064	.1.1182	.1.3118	.1.9204	2.6254
RP10000/A	.6059	.8613	.9290	1.0242	1.0593	1.0984	1.1065	1.1905	1.3024	1.3624	1.5947	2.3081	3.3633
RPNP/A	1.1601	1.7003	1.8392	1.9750	2.0508	2.1156	2.2510	2.4125	2.7139	2.9116	3.3893	4.7750	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 5  
BSN ORDER SUB  
Y01 8213 0 STATION NAME SIERRA POWER HOUSE ELEV 3000 SEC 36 TWP 02N LATITUDE 34.200 LONGITUDE 117.669 COUNTY CODE 70

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	5M	10M	15M	30M	1H	2H	3H	6H	12M	1D	C-YR		
2	4.54	6.30	7.10	7.58	8.12	8.56	9.35	9.91	10.63	11.99	13.68		
5	6.60	9.69	11.02	11.61	12.63	13.27	14.39	15.13	16.49	18.02	20.27		
10	8.47	11.94	13.63	14.68	15.69	16.46	17.69	18.56	20.13	21.84	24.43		
25	9.99	14.05	16.10	17.41	18.61	19.51	20.78	21.77	23.51	25.35	28.26		
50	10.47	14.54	16.54	17.84	19.10	20.14	21.40	22.41	24.23	26.21	29.45		
100	11.40	16.13	18.46	20.06	21.43	22.46	24.73	24.84	25.98	26.67	31.89		
200	11.92	16.76	19.23	20.90	22.33	23.39	24.66	25.00	27.74	29.70	33.02		
1000	13.35	18.70	21.53	23.47	25.07	26.26	27.50	28.75	30.81	32.65	36.45		
10000	17.95	25.11	28.08	31.75	33.91	35.49	36.56	38.14	40.52	42.72	47.23		
100000	22.42	31.24	35.90	38.80	42.50	44.45	45.20	47.14	49.77	52.05	57.42		
RPNP/A	42.92	61.58	71.44	76.76	81.92	85.62	91.60	95.53	103.70	111.24	122.03		
MEAN	5.104	7.059	7.986	8.605	9.215	9.697	10.414	11.006	11.927	13.004	14.855		
CLOCK HR. COR.	1.000	1.600	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.284	1.740	1.482	1.437	1.486	1.869	2.093	1.987	1.815	1.894	1.953		
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000		
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000		
KURTOSIS	5.456	7.264	5.542	4.995	5.1464	8.097	9.874	8.775	8.028	8.804	7.191		
N	67	67	67	67	66	66	66	65	66	66	66	66	
RECORD YEAR	1969	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	
RECORD MAXIMUM	14.800	21.400	22.550	22.620	27.070	34.170	39.710	39.820	41.720	46.310	48.210		
NORMALIZED MAX	3.774	5.744	3.945	2.957	3.425	4.204	4.913	4.923	4.743	4.152	4.152	4.955	
CALC. COEF. VAR	.503	.544	.558	.559	.568	.584	.598	.598	.576	.576	.564	.523	
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.521	.512	.513	.501	.481	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.521	.512	.513	.501	.481	
MEAN/A	.3401	.4759	.5376	.5703	.6204	.6520	.7010	.7409	.6029	.6785	1.0000		
RP1/A	.5704	.6641	.6177	.6061	.1.055	1.1085	1.1765	1.2494	1.1552	1.4701	1.6447		
RP25/A	.7047	.9226	1.1261	1.2501	1.3146	1.3770	1.4535	1.5328	1.6520	.7795	1.9825		
RP50/A	.8026	1.1294	1.2946	1.5082	1.5932	1.5747	1.6903	1.7372	1.6976	1.9995	2.2227		
RP100/A	.8598	1.1289	1.4941	1.5799	1.6978	1.7675	1.8913	1.9359	2.0743	2.2112	2.4539		
RP1000/A	1.2063	1.8904	1.9443	2.1577	2.2029	2.3069	2.4597	2.5671	2.7279	2.8759	3.1795		
RP10000/A	1.5096	2.1392	2.4225	2.6796	2.8610	2.9926	3.0432	3.1734	3.3504	3.5042	3.8653		
RPNP/A	2.8694	4.1522	4.7957	5.1673	8.5150	8.7641	8.1797	6.4310	6.9813	7.8487	8.2150		

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
701 8243 0

STATION NAME	ELEV	SEC	TWP	RNG	LDT	BWM	LATITUDE	LONGITUDE	COUNTY
SILVERADO	1100	055	07W	5	33.753	117.667	30		

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	8D	100	150	200	300	600	3650
2	2.55	3.08	3.39	3.54	3.65	3.85	4.26	4.61	5.23	5.45	6.45	8.21	13.99
5	3.87	4.73	5.26	5.51	5.48	5.97	6.56	7.04	7.97	8.49	9.55	12.35	19.68
10	4.76	5.83	6.51	6.85	7.05	7.41	8.06	8.64	9.73	10.29	11.51	15.06	23.22
20	5.62	6.87	7.69	8.12	8.36	8.76	9.47	10.13	11.37	11.94	13.32	17.60	26.44
25	5.89	7.20	8.05	8.53	8.77	9.22	9.90	10.59	11.87	12.46	13.68	18.39	27.43
40	6.44	7.88	8.85	9.35	9.63	10.11	10.81	11.56	12.12	13.51	15.02	20.03	29.46
50	6.70	8.49	9.49	9.95	10.3	10.9	11.24	12.01	13.1	14.0	15.56	20.79	30.41
75	7.51	9.16	10.28	10.95	11.26	11.63	12.34	13.09	14.09	14.92	17.07	21.27	33.25
100	8.30	10.11	11.36	12.13	12.48	13.09	13.79	14.52	15.34	16.34	16.92	18.74	25.41
1000	10.09	12.26	13.80	14.82	15.23	15.98	16.65	17.74	19.59	20.13	22.25	30.55	42.13
10000	12.60	15.28	17.19	18.57	19.09	20.02	20.60	21.93	24.05	24.53	27.05	37.68	50.45
PMP	24.13	30.12	34.03	35.82	36.80	36.95	41.62	44.45	50.12	52.42	57.50	75.97	107.95

MEAN  
CLOCK HR.  
CALCULATED SKEW  
REGIONAL SKEW  
REGIONAL SKEW USED

2,869	3,452	3,815	4,015	4,140	4,366	4,745	5,121	5,765	6,156	6,999	9,082	14,910
1,149	1,943	1,040	1,860	1,687	1,559	1,010	1,199	1,000	1,000	1,894	1,771	1,000

KURTOSIS  
N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGN. COEF. VAR  
USED COEF. VAR

4.524	5.656	3,801	3,082	2,823	2,511	1,959	1,829	2,976	3,292	2,904	2,758	2,966
24	24	24	24	24	24	24	24	24	24	24	24	24

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
PMP/A

.1924	.2315	.2559	.2693	.2776	.2928	.3182	.3434	.3866	.4129	.4694	.6091	1.0000
.3195	.3912	.4368	.4594	.4728	.4971	.5040	.5791	.6526	.6901	.7721	.1.0100	1.5570
.3947	.4625	.5407	.5718	.5884	.6181	.6643	.7105	.7963	.8354	.9305	.1.2334	1.8397
.4447	.5455	.6181	.6545	.6728	.6926	.7326	.7833	.8393	.8973	.9371	.1.3745	2.4293
.5035	.6735	.7747	.7754	.7929	.8033	.8677	.9088	.9488	.9731	.1.1519	.1.5100	2.2303
.6768	.8224	.9253	.9938	.1.0217	.1.0716	.1.1164	.1.1901	.1.3135	.1.3042	.1.4925	.2.0490	.4.8254
.8453	1.0232	1.1529	1.2457	1.2604	1.3424	1.3813	1.4710	1.6133	1.6481	1.8144	2.5268	3.3833
1.6185	2.0200	2.2823	2.4022	2.4682	2.5856	2.8050	2.9811	3.3616	3.5157	3.8562	5.0500	7.2400

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
701 9087 0

STATION NAME	ELEV	SEC	TWP	RNG	LDT	BWM	LATITUDE	LONGITUDE	COUNTY	
TUSTIN IRVINE	275	118	14	055	09W	R	5	33.731	117.782	30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	8D	100	150	200	300	600	3650
2	1.89	2.34	2.56	2.71	2.83	3.00	3.20	3.49	3.93	4.33	5.10	6.89	11.39
5	2.87	3.60	3.98	4.22	4.41	4.65	4.92	5.33	5.99	6.50	7.55	10.35	16.02
10	3.53	4.44	4.92	5.25	5.48	5.77	6.05	6.54	7.31	7.88	9.10	12.63	18.90
20	4.16	5.23	5.81	6.22	6.49	6.84	7.11	7.67	8.54	9.14	10.52	14.76	21.52
25	4.36	5.46	6.09	6.53	6.81	7.17	7.44	8.02	8.92	9.54	10.97	15.42	22.33
40	4.77	5.99	6.67	7.17	7.48	7.87	8.12	8.75	9.11	10.34	11.87	16.75	23.98
50	4.97	6.23	6.94	7.41	7.79	8.20	8.51	9.09	10.08	10.84	12.40	16.74	24.55
75	5.56	6.67	7.17	7.69	8.09	8.57	9.26	9.41	10.02	11.19	12.85	15.57	21.39
100	6.15	7.69	8.58	9.09	9.69	10.29	10.36	11.15	12.29	12.95	14.81	21.30	29.31
1000	7.48	9.33	10.43	11.35	11.83	12.44	12.50	13.44	14.72	15.41	17.59	25.62	34.29
10000	9.34	11.60	12.99	14.22	14.83	15.58	15.47	16.61	18.08	18.78	21.38	31.59	41.06
PMP	17.88	22.91	25.72	27.43	28.59	30.00	31.41	33.67	37.67	40.13	45.44	63.70	87.87

MEAN  
CLOCK HR.  
CALCULATED SKEW  
REGIONAL SKEW  
REGIONAL SKEW USED

2.126	2.626	2.883	3.075	3.215	3.398	3.564	3.879	4.332	4.713	5.531	7.616	12.137
1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS  
N  
RECORD YEAR  
RECORD MAXIMUM  
NORMALIZED MAX  
CALC. COEF. VAR  
REGN. COEF. VAR  
USED COEF. VAR

4.410	5.016	3.793	3.259	2.901	3.266	3.011	3.047	2.466	3.091	3.373	4.696	4.283
79	79	79	79	79	79	79	79	79	79	79	79	79

MEAN/A  
RP10/A  
RP25/A  
RP50/A  
RP100/A  
RP1000/A  
RP10000/A  
PMP/A

.1752	.2163	.2375	.2534	.2649	.2800	.2936	.3196	.3569	.3883	.4557	.6275	1.0000
.299	.3655	.4055	.4322	.4512	.4753	.4987	.5389	.6025	.6491	.7496	.1.0404	1.5570
.3593	.4512	.5020	.5380	.5615	.5909	.6130	.6612	.7352	.7857	.9035	.1.2705	1.8397
.4093	.5134	.5720	.6153	.6420	.6754	.6954	.7403	.7829	.8101	.8676	.1.0101	2.0392
.4594	.5744	.6403	.6910	.7390	.7774	.8174	.8674	.9224	.9765	.1.1833	.1.5978	2.0393
.6164	.7784	.8511	.9324	.9791	.1.0246	.1.0302	.1.1074	.1.2127	.1.2698	.1.4490	.2.1109	.6254
.6594	.9581	1.0703	1.1720	1.2219	1.2935	1.2746	1.3688	1.4895	1.5472	1.7619	2.6030	3.3833
1.4733	1.8874	2.1189	2.2601	2.3553	2.4742	2.5883	2.7739	3.1036	3.3065	3.7439	5.2487	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 5 STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB VICTORIA-LOMA LINDA 1060 3S 015 04W A S 34°08' 117°25' CODE  
Y01 9323 51

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.59	2.16	2.42	2.61	2.80	2.97	3.30	3.51	4.03	4.42	9.10	6.78	11.75
5	2.40	3.32	3.75	4.07	4.35	4.61	5.07	5.36	6.13	6.65	7.56	10.19	16.53
10	2.99	4.10	4.65	5.06	5.42	5.72	6.24	6.57	7.49	8.06	9.11	12.43	19.50
20	3.49	4.83	5.49	6.00	6.42	6.77	7.33	7.71	8.75	9.35	10.54	14.52	22.20
25	3.65	5.00	5.75	6.29	6.74	7.11	7.66	8.07	9.16	9.75	10.98	15.17	23.04
40	4.00	5.52	6.30	6.91	7.40	7.80	8.37	8.80	9.33	10.57	11.89	16.53	24.74
50	4.40	5.83	6.60	7.20	7.71	8.10	8.67	9.11	9.74	10.32	10.90	13.51	18.53
100	4.66	6.43	7.34	8.08	8.65	9.11	9.70	10.18	11.46	12.12	13.59	19.08	27.93
200	5.15	7.10	8.10	8.96	9.58	10.09	10.67	11.21	12.57	13.24	14.03	20.96	30.24
1000	6.26	8.61	9.84	10.96	11.70	12.32	12.84	13.51	15.07	15.76	17.61	25.21	35.38
10000	7.82	10.71	12.26	13.71	14.67	15.43	15.94	16.70	18.51	19.20	21.41	31.09	42.36
PMP	14.98	21.15	24.28	26.44	28.74	32.32	33.84	36.87	41.04	45.50	52.69	90.65	

MEAN 1.781 2.424 2.721 2.964 3.181 3.366 3.672 3.898 4.436 4.819 5.538 7.494 12.521  
CLOCK MR. COR. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000  
CALCULATED SKEW .984 .833 .972 1.039 1.305 1.196 1.054 .950 .905 .779 .749 .903 .213  
REGIONAL SKEW 1.400 1.300 1.300 1.400 1.400 1.400 1.200 1.200 1.100 1.000 1.000 1.000 1.200 .900  
USED SKEW 1.400 1.300 1.300 1.400 1.400 1.400 1.200 1.200 1.100 1.000 1.000 1.000 1.200 .900

KURTOSIS 3.591 3.634 3.356 3.867 4.914 4.452 3.824 3.629 3.631 3.370 3.433 4.407 3.024  
N RECORD YEAR 83 83 83 83 83 83 83 83 83 83 83 83 83 82  
RECORD MAXIMUM 3.950 5.350 6.480 7.490 8.870 8.870 8.970 8.970 10.400 11.360 14.060 21.290 25.100  
NORMALIZED MAX 2.803 2.659 2.830 3.134 3.516 3.343 2.889 2.715 2.755 2.806 3.263 3.670 2.404  
CALC. COEF. VAR .434 .455 .488 .487 .509 .489 .490 .479 .488 .484 .480 .502 .410  
REGN. COEF. VAR .494 .519 .528 .528 .528 .522 .521 .512 .513 .501 .481 .491 .416  
USED COEF. VAR .494 .515 .528 .528 .528 .522 .521 .512 .513 .501 .481 .491 .416

MEAN/A .1423 .1936 .2173 .2367 .2540 .2688 .2932 .3113 .3543 .3849 .4423 .5985 1.0000  
RP10/A .2362 .3271 .3710 .4038 .4326 .4564 .4980 .5250 .5980 .6434 .7275 .9924 1.5570  
RP25/A .2918 .4036 .5027 .5383 .5674 .6122 .6441 .7297 .7788 .8769 1.2119 1.8397  
RP50/A .3324 .4545 .5295 .5495 .5695 .6485 .6781 .7300 .8245 .9031 .9861 1.3702 2.0392  
RP100/A .3750 .5138 .5988 .6456 .6911 .7448 .7744 .8044 .8552 .9067 1.0463 2.0134 2.6254  
RP1000/A .5005 .6877 .7860 .8736 .9348 .9839 1.0286 1.0789 1.2036 1.2506 1.4063 2.0134 2.6254  
RP10000/A .6248 .8557 .9793 1.0950 1.1715 1.2325 1.2729 1.3336 1.4783 1.5336 1.7096 2.4828 3.5833  
PMP/A 1.1964 1.6892 1.9397 2.1117 2.2582 2.3739 2.5864 2.7025 3.0604 3.2773 3.6335 5.0063 7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 5 STATION NAME ELEV SEC TWP RNG LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB VILLA PK-ORCHARO 290 33.814 117.823 CODE  
Y01 9338 5

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	# YR
2	2.20	2.83	3.17	3.26	12.33
5	3.33	4.35	4.92	5.08	17.60
10	4.10	5.37	6.09	6.31	21.17
20	4.84	6.33	7.20	7.49	24.50
25	5.07	6.63	7.54	7.96	25.65
40	9.55	7.25	8.26	8.63	27.88
50	5.78	7.54	8.59	8.99	28.92
100	6.15	7.32	8.21	9.10	31.33
200	7.15	9.31	10.63	11.18	35.20
1000	8.70	11.29	12.91	13.66	42.45
10000	10.80	14.04	16.08	17.12	52.48
PMP	20.79	27.73	31.83	33.02	98.52

MEAN 2.472 3.178 3.569 3.702 13.608  
CLOCK MR. COR. 1.140 1.070 1.040 1.020 1.000  
CALCULATED SKEW .656 1.024 .660 1.569 1.345  
REGIONAL SKEW 1.400 1.300 1.300 1.400 1.400  
USED SKEW 1.400 1.300 1.300 1.400 1.400

KURTOSIS 2.634 3.703 2.548 2.412 4.652  
N 41 41 41 41 41  
RECORD YEAR 1937 1956 1956 1956 1941  
RECORD MAXIMUM 4.670 7.350 7.350 7.380 34.680  
NORMALIZED MAX 2.017 2.532 2.059 2.022 3.250  
CALC. COEF. VAR .441 .519 .512 .491 .476  
REGN. COEF. VAR .494 .515 .520 .526 .416  
USED COEF. VAR .494 .515 .520 .526 .416

MEAN/A .1017 .2335 .2623 .2720 1.0000  
RP10/A .3017 .3946 .4477 .4640 1.5560  
RP25/A .3727 .4871 .5542 .5777 1.8651  
RP50/A .4245 .5543 .6315 .6601 2.1255  
RP100/A .4745 .6071 .7119 .7619 2.4000  
RP1000/A .6390 .8295 .9405 1.0039 3.1195  
RP10000/A .7980 1.0321 1.1617 1.2584 3.8865  
PMP/A 1.5280 2.0376 2.3394 2.4266 7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB WEST RIVERSIDE SOF 900 07 02S 05W S 34°01' 117°44' 33  
Y01 9587 1

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.72	2.24	2.41	2.55	2.73	2.83	3.09	3.29	3.59	3.82	4.59	6.14	10.11
5	2.62	3.45	3.74	3.98	4.24	4.38	4.75	5.03	5.47	5.74	6.80	9.24	14.22
10	3.22	4.25	4.63	4.94	5.27	5.44	5.84	6.17	6.67	6.96	8.20	11.27	16.78
20	3.80	5.04	5.47	5.84	6.25	6.55	6.86	7.23	7.60	8.04	9.24	13.76	19.11
25	3.80	5.04	5.47	5.84	6.25	6.55	6.76	7.16	7.45	8.15	8.42	9.88	13.82
40	4.36	5.74	6.27	6.76	7.19	7.42	7.83	8.25	8.42	9.13	10.70	14.98	21.29
50	4.53	5.97	6.53	7.04	7.49	7.73	8.14	8.58	9.20	9.46	11.08	15.56	21.97
100	5.08	6.67	7.31	7.90	8.41	8.66	9.08	9.56	10.22	10.46	12.23	17.36	24.03
200	5.61	7.36	8.07	8.76	9.32	9.61	9.99	10.51	11.21	11.44	13.35	19.01	26.02
1000	6.82	8.93	9.86	10.69	11.38	11.73	12.06	12.67	13.44	13.61	15.85	22.86	30.45
10000	8.52	11.11	12.21	13.40	14.26	14.69	14.92	15.67	16.56	16.58	19.26	28.19	36.46
PMP	16.32	21.94	24.18	25.65	27.49	28.29	30.30	31.75	34.39	35.44	40.94	58.84	78.01

MEAN	1.940	2.514	2.711	2.898	3.092	3.204	3.437	3.658	3.955	4.162	4.984	6.795	10.775
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.303	2.085	1.623	1.130	1.128	1.104	.818	.654	.492	.299	.255	2.034	1.034
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.908
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	5.978	9.337	6.613	4.501	4.272	4.278	3.648	3.410	3.237	3.130	3.225	9.923	4.719
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MINIM	4,190	6,750	6,740	6,750	6,750	6,750	6,950	7,500	8,300	8,300	9,400	18,200	22,900
NORMALIZED MAX	2.822	3.237	2.844	2.578	2.401	2.242	2.395	2.092	2.433	2.346	2.416	3.713	2.777
CALC. COEF. VAR	.467	.720	.526	.518	.495	.481	.475	.457	.457	.429	.405	.479	.407
REGN. COEF. VAR	.494	.515	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.526	.526	.526	.521	.512	.513	.501	.481	.491	.416	

MEAN/A	1.801	2.584	2.514	2.800	2.070	2.973	3.190	.339	.3670	.3062	.4625	.6366	1.0000
RP10/A	.2980	.3943	.3944	.3988	.4887	.5047	.5417	.5724	.6195	.6496	.7667	.10456	1.5570
RP25/A	.3593	.4867	.5116	.5711	.6081	.6276	.6559	.7023	.7559	.7814	.9170	.12769	.18397
RP50/A	.4207	.5538	.6058	.6531	.6954	.7173	.7554	.7959	.8537	.8781	.1.0281	.1.4437	2.0392
RP100/A	.4710	.6193	.6781	.7335	.7808	.8051	.8423	.8866	.9461	.9710	.1.1350	.1.6057	2.2303
RP1000/A	.6333	.8289	.9098	.9925	1.0560	1.0882	1.1191	1.1763	1.2469	1.2629	1.4706	2.1213	2.8254
RP10000/A	.7986	1.0313	1.1335	1.2440	1.3234	1.3631	1.3846	1.4539	1.5314	1.5386	1.7878	2.6159	3.3833
PMP/A	1.5143	2.0360	2.2440	2.3990	2.5511	2.6296	2.8116	2.9464	3.1911	3.2866	3.7996	5.2747	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB WILD ROSE RANCH 1011 27 045 06W S 33°50' 117°78' 33  
Y01 9675 51

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.53	3.13	3.47	3.80	3.92	4.07	4.41	4.60	5.00	5.31	6.17	8.15	11.92
5	3.84	4.81	5.38	5.92	6.09	6.32	6.78	7.02	7.61	8.29	9.14	12.26	16.76
10	4.72	5.93	6.66	7.30	7.57	7.84	8.33	8.63	9.14	10.00	11.22	14.97	19.77
20	5.87	6.97	7.60	8.03	8.57	8.97	9.47	9.85	10.45	10.86	11.86	12.74	17.47
25	5.84	7.32	8.24	9.16	9.52	9.75	10.24	10.57	11.34	12.14	13.20	14.24	20.52
40	6.39	8.01	9.02	10.06	10.33	10.69	11.10	11.53	11.58	13.18	14.38	19.88	25.09
50	6.65	8.33	9.39	10.46	10.77	11.14	11.61	11.96	12.81	13.66	14.89	20.64	25.90
100	7.44	9.31	10.51	11.76	12.09	12.50	12.95	13.36	14.23	15.11	16.43	22.96	26.32
200	8.22	10.28	11.61	13.03	13.39	13.94	14.26	14.86	15.61	16.51	17.94	25.22	30.67
1000	10.01	12.46	14.10	15.92	16.35	16.90	17.21	17.70	18.51	19.65	21.49	30.33	35.68
10000	12.49	15.51	17.93	19.92	20.49	21.20	21.90	22.64	23.98	24.99	25.89	34.40	49.96
PMP	23.93	30.61	34.79	38.48	39.50	46.77	43.23	44.33	47.88	51.16	55.02	75.42	91.94

MEAN	2.845	3.509	3.900	4.314	4.463	4.617	4.904	5.108	5.567	6.008	6.698	9.016	12.699
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	2.352	2.429	2.404	1.985	1.866	1.892	1.588	1.524	1.466	1.124	.898	1.052	.948
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	9.500	10.448	10.594	7.965	7.307	7.516	6.439	6.259	5.781	4.710	3.951	3.499	3.522
N	20	20	22	21	21	21	21	21	21	21	21	21	36
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	9.000	11.310	12.700	12.400	13.500	13.500	14.100	14.100	14.700	14.700	20.230	26.500	
NORMALIZED MAX	2.913	3.157	3.382	3.066	3.019	3.080	3.003	2.947	2.739	2.625	2.427	2.341	2.420
CALC. COEF. VAR	.781	.708	.647	.610	.613	.630	.589	.595	.575	.554	.531	.449	.449
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.525	.521	.519	.513	.501	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.518	.513	.501	.481	.491	.416

MEAN	.2240	.2763	.3071	.3307	.3409	.3636	.3862	.4022	.4336	.4731	.5274	.7100	1.0000
RP10/A	.3719	.4668	.5242	.5794	.5959	.6173	.6559	.6792	.7319	.7906	.8674	1.1773	1.5570
RP25/A	.4595	.5762	.6490	.7213	.7414	.7674	.8062	.8324	.8931	.9573	1.0456	1.4377	1.8397
RP50/A	.5234	.6557	.7395	.8249	.8678	.8771	.9146	.9430	.1.0085	.1.0756	1.1723	1.6255	2.0392
RP100/A	.5860	.7332	.8275	.9264	.9519	.9844	.1.0196	.1.0500	.1.1202	.1.1899	1.2942	1.8079	2.2303
RP1000/A	.7879	.9816	1.1107	1.2535	1.2875	1.3306	1.3956	1.3937	1.4732	1.5471	1.6769	2.3885	2.8294
RP10000/A	.9839	1.2210	1.3839	1.5712	1.6155	1.6669	1.6764	1.7227	1.8094	1.8851	2.0386	2.9454	3.3833
PMP/A	1.8840	2.4105	2.7391	3.0299	3.1103	3.2104	3.4643	3.4911	3.7764	4.0285	4.3326	5.9390	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 606 0	STATION NAME BEAUMONT	ELEV 2613	SEC 10	TWP 02S	RNG 01W	BWM S	LATITUDE 33.933	LONGITUDE 116.967	COUNTY CODE 33
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.27	2.87	3.21	3.45	3.63	3.79	4.19	4.46	5.14	5.72	6.79	9.09	16.96
5	3.44	4.40	5.98	5.37	5.65	5.68	6.45	6.82	7.83	8.60	10.05	13.67	23.65
10	4.24	5.43	6.17	6.67	7.01	7.30	7.93	8.36	9.56	10.42	12.12	16.68	28.13
20	5.00	6.40	7.28	7.91	8.32	8.65	9.31	9.80	11.16	12.09	14.02	19.49	32.04
25	5.24	6.70	7.63	8.30	8.73	9.07	9.74	10.25	11.66	12.61	14.61	20.36	33.24
40	5.73	7.33	8.36	9.12	9.58	9.96	10.64	11.19	11.91	13.67	15.81	22.18	35.70
50	5.97	7.53	8.50	9.25	9.70	10.16	10.84	11.40	12.16	13.87	15.32	23.02	36.84
100	6.68	8.53	9.74	10.67	11.20	11.64	12.32	12.95	14.03	14.67	18.08	25.61	40.30
200	7.38	9.41	10.75	11.82	12.41	12.89	13.57	14.25	15.05	17.12	19.73	26.13	43.63
1000	8.98	11.42	13.06	14.43	15.15	15.73	16.37	17.18	19.24	20.38	23.42	33.83	51.05
10000	11.21	14.20	16.27	18.09	18.99	19.71	20.26	21.23	23.62	24.83	28.48	41.72	61.13
PMP	21.47	28.04	32.22	34.89	36.61	37.96	41.14	43.03	49.23	53.06	60.52	84.12	130.81

MEAN	2,553	3,214	3,612	3,911	4,118	4,299	4,667	4,957	5,662	6,232	7,367	10,055	18,068
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CLOCK HR, COR.	1,140	1,070	1,040	1,020	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
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CALCULATED SKEW	1,390	.548	.674	.936	1,170	1,125	.762	.646	.955	.810	.893	.916	.560
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REGIONAL SKEW	1,400	1,300	1,300	1,400	1,400	1,400	1,200	1,200	1,100	1,000	1,000	1,000	.900
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SKEW USED	1,400	1,300	1,300	1,400	1,400	1,400	1,200	1,200	1,100	1,000	1,000	1,000	.900
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KURTOSIS	5.027	2,585	2,991	3,577	4,486	4,182	3,073	2,694	4,203	3,504	3,509	3,703	2,820
N	50	50	50	50	50	50	50	50	50	50	50	50	50
RECORD YEAR	1969	1969	1969	1967	1967	1967	1967	1967	1916	1916	1969	1969	1937
RECORD MAXIMUM	5,050	5,750	7,140	8,220	9,710	9,710	9,710	9,710	14,080	14,580	16,410	24,100	34,000
NORMALIZED MAX	2,285	1,891	2,233	2,483	3,035	2,841	2,496	2,253	3,294	2,927	2,883	3,074	2,463
CALC. COEF. VAR	.430	.417	.437	.444	.447	.443	.433	.426	.451	.458	.429	.454	.355
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1413	.1779	.1999	.2165	.2279	.2380	.2583	.2743	.3134	.3449	.4077	.5566	1.0000
RP10/A	+3.64	3,005	3,424	3,692	4,040	4,387	4,626	5,289	5,975	6,706	7,929	11,557	1,5570
RP20/A	+2.96	3,710	4,224	4,574	4,830	5,022	5,392	5,576	6,275	6,975	8,091	11,277	1,6397
RP50/A	+3.30	4,114	4,654	4,957	5,201	5,407	5,732	6,250	7,280	7,622	8,993	12,423	2,0392
RP100/A	+3.69	4,720	5,388	5,904	6,201	6,443	6,821	7,167	8,095	8,672	10,006	13,173	2,3033
RP1000/A	+4,99	6,318	7,230	7,988	8,387	8,768	9,063	9,507	10,646	12,179	14,294	18,8724	2,2524
RP10000/A	+6205	7,861	9,007	1,0013	1,0511	1,0909	1,2123	1,275	1,3743	1,5761	2,0390	3,0333	
PMP/A	1,1882	1,5519	1,7832	1,9309	2,0262	2,1011	2,2769	2,3813	2,7246	2,9369	3,3497	4,6559	7,2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 607 0	STATION NAME BEAUMONT PUMP PLANT	ELEV 3045	SEC 22	TWP 02S	RNG 01W	BWM S	LATITUDE 33.983	LONGITUDE 116.967	COUNTY CODE 33
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## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.66	3.44	3.81	4.10	4.32	4.54	4.94	5.37	6.08	6.60	7.61	10.42	19.36
5	4.04	5.28	5.91	6.39	6.71	7.04	8.65	8.21	9.26	9.92	11.28	15.67	27.23
10	4.97	6.45	7.31	7.94	8.34	8.74	9.35	10.06	11.30	12.02	13.60	19.11	32.12
20	5.86	7.67	8.64	9.42	9.89	10.31	11.89	11.80	13.20	13.95	15.73	22.33	36.58
25	6.14	8.04	9.05	9.88	10.38	10.87	11.49	12.35	13.80	14.55	16.39	23.34	37.95
40	6.72	8.70	9.91	10.85	11.39	11.92	12.54	13.37	14.08	15.77	17.76	24.42	40.76
50	6.99	9.15	10.31	11.30	11.82	12.42	13.03	13.90	14.58	15.35	17.40	26.49	42.00
100	7.63	10.23	11.94	12.49	13.13	13.81	14.53	15.59	17.01	18.08	20.28	27.35	46.00
200	8.45	11.29	13.04	14.06	14.76	15.44	16.00	17.15	18.98	19.75	22.14	29.24	49.81
1000	10.53	13.69	15.49	17.18	18.02	18.64	19.31	20.68	22.75	23.51	26.28	38.77	50.28
10000	13.14	17.03	19.30	21.53	22.59	23.60	23.89	25.56	27.95	28.64	31.95	47.81	69.79
PMP	25.17	33.63	38.20	41.92	43.34	45.46	48.51	51.81	56.24	61.22	67.91	96.41	149.34

MEAN	2,993	3,854	4,283	4,655	4,898	5,148	5,503	5,965	6,698	7,189	8,267	11,525	20,627
CLOCK HR, COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	1,630	1,194	1,217	1,539	1,567	1,407	1,143	1,151	1,201	1,180	1,094	.968	.575
REGIONAL SKEW	1,400	1,300	1,300	1,400	1,400	1,400	1,200	1,200	1,100	1,000	1,000	1,000	.900
SKEW USED	1,400	1,300	1,300	1,400	1,400	1,400	1,200	1,200	1,100	1,000	1,000	1,000	.900

KURTOSIS	5.561	4,308	4,189	5,774	5,869	5,124	4,112	4,200	4,474	4,607	3,909	3,294	2,884
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1916	1916	1916	1916	1937
RECORD MAXIMUM	7,050	9,650	11,240	14,000	14,450	14,570	14,590	15,060	16,060	16,600	21,430	26,630	36,190
NORMALIZED MAX	2,664	2,968	3,074	3,692	3,667	3,498	3,304	3,269	3,595	3,390	2,831	2,591	
CALC. COEF. VAR	.503	.507	.528	.544	.532	.523	.504	.505	.516	.493	.470	.463	.329
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1451	.1866	.2076	.2257	.2374	.2496	.2660	.2893	.3247	.3485	.4008	.5567	.0000
RP10/A	.2409	.3157	.3544	.3849	.4044	.4237	.4531	.4879	.5460	.5826	.6591	.9265	1,5570
RP20/A	.2976	.3897	.4386	.4792	.5032	.5268	.5570	.5996	.6686	.7092	.7945	1,1314	1,6397
RP50/A	.3390	.4224	.5000	.5430	.5753	.6021	.6374	.6752	.7552	.7952	.8745	1,2072	2,0392
RP100/A	.4376	.5495	.6154	.6547	.7046	.7559	.7945	.8363	.9073	.9422	.9833	1,2237	2,3033
RP1000/A	.5103	.6637	.7509	.8037	.8738	.9134	.9361	.10026	1,1031	1,1397	1,2742	1,6766	2,6234
RP10000/A	.6372	.8258	.9356	1,0430	1,0951	1,1441	1,1581	1,2393	1,3549</td				

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y02 2805 0

STATION NAME  
EL SINORE

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.02	2.53	2.76	2.94	3.11	3.26	3.55	3.71	4.21	4.62	5.32	7.05	11.24
5	3.06	3.69	4.28	4.58	4.83	5.05	5.46	5.67	6.41	6.95	7.88	10.59	15.82
10	3.77	4.79	5.30	5.69	6.01	6.27	6.71	6.95	7.82	8.42	9.49	12.92	18.66
20	4.45	5.49	6.25	6.92	7.41	7.78	8.48	9.05	9.94	10.71	11.54	15.18	21.25
25	4.65	5.92	6.58	7.09	7.47	7.79	8.25	8.63	9.55	10.44	11.20	15.18	22.94
40	5.09	6.47	7.19	7.78	8.20	8.55	9.01	9.31	9.75	11.06	12.39	17.18	23.68
50	5.30	6.73	7.47	8.11	8.55	8.91	9.36	9.67	10.78	11.46	12.63	17.84	24.44
100	5.93	7.53	8.36	9.10	9.65	10.00	10.44	10.77	11.97	12.67	14.16	19.84	26.72
200	6.56	8.31	9.24	10.08	10.63	11.07	11.49	11.85	13.13	13.83	15.46	21.80	28.94
1000	7.98	10.08	11.22	12.32	12.98	13.51	13.87	14.29	15.75	16.48	18.35	26.21	33.86
10000	9.96	12.54	13.98	15.44	16.27	16.93	17.16	17.66	19.34	20.08	22.31	32.33	40.54
PMF	19.08	24.76	27.68	29.17	31.35	32.61	34.84	35.79	40.39	42.91	47.42	65.18	86.76

MEAN	2.268	2.837	3.103	3.338	3.527	3.693	3.952	4.123	4.635	5.039	5.772	7.792	11.983
CLOCK HR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.068	1.170	1.233	1.381	1.385	1.303	1.105	1.176	1.419	1.427	1.230	1.278	1.039
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900

KURTOSIS	4.384	3.921	4.158	4.730	4.612	4.250	3.739	3.990	5.1113	5.380	4.894	4.627	3.531
N	75	75	75	74	75	75	75	75	75	75	75	75	75
RECORD YEAR	1927	1943	1927	1922	1922	1922	1922	1922	1916	1932	1916	1922	1932
RECORD MAXIMUM	5.00	6.00	7.00	9.40	9.00	9.00	10.40	11.20	13.80	15.00	17.50	21.00	28.10
NORMALIZED MAX	2.859	2.782	2.924	3.254	3.007	2.986	2.948	3.04	3.89	3.408	3.562	3.007	2.747
CALC. COEF. VAR	.454	.524	.541	.600	.576	.573	.563	.555	.582	.574	.556	.567	.487
REGN. COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.512	.513	.501	.491	.491	.491	.416

MEAN/A	.1893	.2380	.2590	.2700	.2943	.3002	.2880	.3141	.3040	.3205	.4817	.5553	1.0000
RP10/A	.3143	.4001	.4441	.4752	.5013	.5232	.5601	.5803	.6529	.7029	.7923	.1.0783	.1.5570
RP25/A	.3882	.4939	.5473	.5915	.6237	.6520	.6885	.7119	.7964	.8580	.9550	.1.1668	.1.6397
RP50/A	.4423	.5620	.6236	.6765	.7132	.7434	.7811	.8068	.8968	.9560	.1.0707	.1.4886	.2.0392
RP100/A	.4952	.6284	.6981	.7597	.8008	.8345	.8710	.8899	.9992	1.0573	1.1821	1.6558	2.2303
RP1000/A	.6657	.8411	.9366	1.0280	1.0831	1.1279	1.1571	1.1924	1.3140	1.3751	1.5316	2.1876	2.2545
RP10000/A	.8314	1.0465	1.1669	1.2895	1.3574	1.4129	1.4317	1.4738	1.6139	1.6755	1.8620	2.6977	3.3833
PMF/A	1.5919	2.0661	2.3101	2.4848	2.6165	2.7213	2.9072	2.9867	3.3829	3.5866	3.9573	5.4336	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
Y02 3414 50

STATION NAME  
GILMAN HOT SPRINGS

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.02	2.15	2.19	2.28	2.41	2.60	2.93	3.08	3.41	3.63	4.42	5.98	10.54
5	2.47	3.31	3.40	3.54	3.75	4.03	4.50	4.70	5.19	5.46	6.55	8.96	14.82
10	3.04	4.08	4.23	4.41	4.66	5.00	5.53	5.77	6.34	6.61	7.81	10.72	17.48
20	3.58	4.71	5.21	5.92	6.53	5.52	6.21	6.80	7.46	7.90	9.13	12.77	19.71
25	3.75	5.03	5.41	5.88	5.90	5.40	6.10	6.74	7.33	8.01	9.31	13.35	20.65
40	4.11	5.50	5.70	6.02	6.37	6.82	7.43	7.72	7.90	8.66	10.30	14.53	22.19
50	4.27	5.72	5.93	6.27	6.63	7.10	7.72	8.02	8.73	9.00	10.67	15.09	22.89
100	4.78	6.40	6.64	7.00	7.45	7.97	8.61	8.93	9.75	11.78	16.78	25.04	
200	5.29	7.06	7.34	7.80	8.25	8.82	9.47	9.83	10.64	10.87	12.85	18.44	27.11
1000	6.43	8.57	8.91	9.52	10.07	10.77	11.43	11.85	12.76	12.94	15.26	22.91	31.72
10000	8.03	10.66	11.26	12.42	13.49	14.15	15.16	15.87	17.51	18.55	21.34	31.86	
PMF	15.38	21.05	21.90	23.04	24.53	23.99	26.73	29.68	32.65	33.69	39.43	55.13	81.28

MEAN	1.828	2.412	2.464	2.583	2.737	2.943	3.259	3.419	3.755	3.957	4.799	6.390	11.227
CLOCK HR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.973	.700	.415	.1323	.3131	.2598	.906	1.306	1.030	.976	.786	.381	1.198
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900

KURTOSIS	9.022	2.881	2.692	5.447	6.052	5.293	3.579	4.777	4.100	3.789	3.108	5.398	4.559
N	27	27	26	25	26	26	26	26	25	27	27	27	27
RECORD YEAR	1966	1966	1969	1974	1974	1974	1974	1974	1986	1969	1966	1969	1986
RECORD MAXIMUM	3.10	4.10	4.20	5.00	5.00	6.00	6.00	7.00	7.00	7.00	8.00	8.00	22.80
NORMALIZED MAX	2.894	1.979	2.067	2.876	3.119	2.924	2.433	2.309	2.406	2.090	2.977	2.533	
CALC. COEF. VAR	.394	.366	.347	.307	.381	.393	.416	.412	.394	.407	.407	.448	.385
REGN. COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416

MEAN/A	.1828	.2149	.2301	.2438	.2821	.2903	.3046	.3345	.3524	.4275	.5870	1.0000	
RP10/A	.2754	.3030	.3747	.3925	.4152	.4450	.4930	.5135	.5645	.5891	.7031	.9734	.15578
RP25/A	.3340	.4482	.4639	.4866	.5166	.5533	.6060	.6300	.6809	.7131	.8475	.1.3400	.1.8397
RP50/A	.3805	.5999	.5286	.5589	.5907	.6324	.6875	.7140	.7779	.8013	.9502	1.9400	.2.0392
RP100/A	.4260	.5702	.5917	.6275	.6632	.7098	.7665	.7956	.8640	.8861	.1.0490	.1.9488	.2.2303
RP1000/A	.5727	.7832	.7938	.8490	.8971	.9593	.1.0185	.1.0553	.1.1363	.1.1525	.1.3592	.1.9748	.2.8524
RP10000/A	.7152	.9496	.9891	1.0043	1.1242	1.2016	1.2601	1.3043	1.3958	1.4042	1.5524	2.4353	3.3833
PMF/A	1.3695	1.8747	1.9581	2.0523	2.1671	2.3147	2.3568	2.6433	2.9081	3.0010	3.5118	4.9105	7.2400</

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNO LOT BWL LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB  
Y02 3898 0 HEMET RESERVOIR 478 4355 09 065 03W H S 33.667 116.667 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=04YS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	2.31	2.97	3.29	3.47	3.69	3.86	4.17	4.50	5.11	5.65	6.45	8.82	17.56
5	3.55	4.26	5.07	5.75	5.74	5.99	6.41	6.87	7.78	8.49	9.55	13.27	24.70
10	4.92	5.82	6.30	6.72	7.04	7.61	8.43	9.59	10.99	11.62	12.62	18.11	32.14
20	5.09	6.03	7.44	7.97	8.46	8.81	9.25	9.69	11.95	13.32	18.91	33.19	
25	5.33	6.94	7.89	8.36	8.88	9.24	9.66	10.34	11.60	12.46	13.88	19.76	34.43
40	5.84	7.60	8.54	9.18	9.75	10.14	10.57	11.28	11.64	13.51	15.03	21.32	36.98
50	6.08	7.90	8.89	9.56	10.15	10.57	10.98	11.72	13.10	14.00	15.57	22.34	36.16
100	6.80	8.83	10.09	10.74	11.40	11.87	12.25	13.08	14.55	15.40	17.18	24.85	41.74
200	7.52	9.75	10.94	11.90	12.62	13.11	13.49	14.37	15.90	16.92	18.75	27.30	45.19
1000	9.14	11.62	12.34	13.33	14.03	14.64	15.42	16.32	18.36	20.45	22.53	32.43	53.80
10000	11.12	14.71	16.63	18.21	19.33	20.08	20.13	21.41	23.50	24.53	26.67	46.46	63.31
PMP	21.87	29.04	32.92	35.12	37.25	38.67	40.88	43.39	48.98	52.43	57.53	81.02	135.49
MEAN	2.601	3.329	3.690	3.937	4.191	4.380	4.637	4.999	5.631	6.158	7.003	9.757	18.714
CLOCK NR. COEF.	1.140	1.910	1.018	1.059	1.018	1.012	1.001	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.440	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
KURTOSIS	10.472	6.743	5.988	5.413	5.567	5.467	4.810	4.696	3.440	3.167	2.517	2.945	2.785
N	4	4	4	4	4	4	4	4	4	4	4	4	4
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1922	1922	1937
RECORD MAXIMUM	7.750	9.700	10.820	11.540	12.540	12.720	12.910	13.470	13.470	14.740	15.740	22.510	34.270
NORMALIZED MAX	3.899	3.647	3.583	3.520	3.490	3.507	3.310	2.832	2.785	2.661	2.875	2.408	
CALC. COEF. VAR	.508	.525	.539	.548	.539	.532	.509	.511	.439	.500	.459	.455	.345
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1390	.1779	.1972	.2104	.2239	.2340	.2478	.2671	.3009	.3290	.3742	.5212	.1.0000
RP1/A	.2307	.3005	.3366	.3589	.3818	.3973	.4206	.4504	.5078	.5500	.6155	.8866	.1.5570
RP2/A	.2850	.3710	.4107	.4468	.4745	.4940	.5173	.5524	.6197	.6655	.7419	.1.0558	.1.6397
RP50/A	.3247	.4222	.4748	.5110	.5426	.5646	.5866	.6263	.6998	.7481	.8181	.1.1937	.2.0392
RP100/A	.3635	.4720	.5315	.5730	.6092	.6337	.6564	.6978	.7773	.8273	.9182	.1.3277	.2.2303
RP1000/A	.4887	.6318	.7131	.7784	.8240	.8565	.8864	.9256	.1.0222	.1.0760	.1.1890	.1.7540	.2.8254
RP10000/A	.6103	.7861	.8885	.9732	1.0327	1.0729	1.0765	1.1400	1.2555	1.3110	1.4464	2.1530	.3.3833
RPW/A	1.1887	1.9520	1.7588	1.8787	1.9907	2.0886	2.1843	2.3194	2.6161	2.8018	3.0741	4.3615	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TMP RNO LOT BWL LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB  
Y02 3896 0 HEMET 176 1830 11 055 01W P S 33.750 116.950 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=0-DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	365D
2	1.63	2.00	2.19	2.35	2.52	2.63	2.87	3.09	3.41	3.75	4.45	6.04	10.65
5	2.47	3.07	3.39	3.65	3.82	4.07	4.41	4.72	5.20	5.63	6.74	9.09	14.90
10	3.09	3.70	4.04	4.34	4.59	5.03	5.27	5.74	6.34	6.83	7.94	11.09	17.67
20	3.46	4.46	5.39	5.77	5.99	6.37	6.79	7.11	7.92	8.19	9.25	12.95	
25	3.76	4.67	5.20	5.65	6.05	6.26	6.67	7.10	7.74	8.26	9.57	13.54	20.88
40	4.12	5.11	5.69	6.21	6.64	6.89	7.28	7.75	7.90	8.98	10.37	14.74	22.43
50	4.28	5.32	5.92	6.47	6.92	7.18	7.56	8.03	8.74	9.28	10.73	15.31	23.14
100	4.79	5.94	6.63	7.26	7.77	8.06	8.43	8.97	9.71	10.27	11.85	17.02	25.31
200	5.30	6.56	7.33	8.04	8.61	8.92	9.29	9.87	10.62	11.22	12.93	18.70	27.91
1000	6.40	7.96	9.24	10.51	10.89	11.21	11.89	12.50	13.22	14.00	15.27	22.44	32.07
10000	8.05	9.20	11.09	12.31	13.17	13.96	14.68	15.40	16.68	18.27	18.67	24.73	38.40
PMP	15.41	19.54	21.95	23.75	25.39	26.27	28.15	29.79	32.88	34.77	39.67	55.92	90.17
MEAN	1.833	2.240	2.460	2.662	2.856	2.975	3.194	3.432	3.758	4.083	4.829	6.668	11.346
CLOCK NR. COEF.	1.140	1.070	1.030	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.440	1.633	.878	.911	.862	.848	.548	.556	.574	.583	.588	1.254	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
KURTOSIS	6.053	4.408	3.767	3.475	3.234	3.589	2.800	2.827	2.665	2.542	2.897	3.690	4.911
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	3.899	4.730	5.100	5.800	5.500	5.600	6.130	6.380	6.930	7.090	8.090	14.280	25.000
CALC. COEF. VAR	2.026	2.704	2.638	2.528	2.300	2.667	2.420	2.335	2.063	1.964	2.258	2.599	2.952
REGN. COEF. VAR	.397	.411	.418	.422	.402	.403	.388	.364	.370	.375	.437	.467	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1613	.1973	.2168	.2346	.2517	.2622	.2814	.3024	.3311	.3598	.4255	.5091	.1.0000
RP1/A	.2601	.3374	.3701	.4001	.4266	.4451	.4780	.5100	.5589	.6014	.6999	.9768	.15.570
RP2/A	.3312	.4116	.4581	.4961	.5333	.5533	.5875	.6256	.6820	.7260	.8436	.1.1928	.1.6397
RP50/A	.3774	.4683	.5220	.5697	.6098	.6324	.6665	.7091	.7702	.8180	.9458	.1.3467	.2.0392
RP100/A	.4225	.5237	.5944	.6397	.6847	.7098	.7432	.7901	.8554	.9046	1.0441	1.5000	2.2303
RP1000/A	.5860	.7010	.7846	.8556	.9262	.9595	.9874	.1.0479	1.1250	1.1765	1.3322	1.9817	2.9254
RP10000/A	.7003	.8722	.9222	1.0054	1.1500	1.2011	1.2553	1.3616	1.4566	1.5456	1.6437	2.1333	
RPW/A	1.3592	1.7210	1.9338	2.0264	2.3194	2.4607	2.6230	2.8791	3.0037	3.4956	4.9275	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

REGULATION AND ENERGY CONSUMPTION PATTERNS

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNT CODE
Y02 4211 0	JOYLWILD FIRE STATION	5397	07	055	03E	P	5	33°746'	116°713'	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOUR

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-UNITS H-HOURS												
	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.93	4.16	4.39	4.58	4.87	5.10	5.47	5.96	6.85	7.48	8.63	11.87	22.67
5	4.44	6.39	6.82	7.13	7.57	7.91	8.42	9.11	10.43	11.24	12.79	17.85	31.89
10	5.47	7.88	8.43	8.86	9.40	9.62	10.35	11.17	12.73	13.62	15.41	21.77	37.62
20	6.45	9.29	9.96	10.51	11.15	11.63	12.16	13.10	14.87	15.81	17.83	25.44	42.84
25	6.76	9.73	10.44	11.03	11.70	12.20	12.72	13.70	15.54	16.49	18.58	25.58	44.45
40	7.40	10.65	11.43	12.11	12.84	13.39	13.89	14.95	15.88	17.88	20.11	28.95	47.75
50	7.70	11.07	11.90	12.62	13.38	13.95	14.43	15.53	17.55	18.53	20.83	30.06	49.27
100	8.62	12.30	13.32	14.17	15.02	15.66	16.07	17.30	19.45	20.49	22.99	33.43	53.89
200	9.53	13.67	14.71	15.70	16.54	17.34	18.14	20.38	22.18	23.19	25.10	36.46	57.71
1000	11.59	18.88	18.87	19.10	20.32	21.46	21.36	22.55	24.53	25.19	24.16	36.01	57.71
10000	14.47	20.62	22.26	24.04	25.46	26.51	26.45	28.37	31.48	32.47	36.22	48.46	81.75
PMS	27.71	40.71	44.07	46.35	49.08	51.05	53.72	57.48	65.80	69.39	76.98	109.01	174.94

MEAN	3.295	4.666	4.940	5.196	5.521	5.782	6.094	6.623	7.544	8.149	9.371	13.128	24.163
CLOCK HR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
COR.	.994	.946	.949	.988	.951	.997	.678	.949	.122	.937	.764	.743	.709
CALCULATED SKEW	.994	1.346	1.449	1.888	2.051	1.997	1.678	1.949	1.122	.937	.764	.743	.709
REGIONAL SKEW	1.000	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.000	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

MEAN/A	+13%	+1931	+20%	+2151	+2285	+2393	+2522	+271	+3122	+3373	+3878	+5433	+0.000
RP10/A	+22%	+3283	+34%	+3658	+3891	+4063	+4284	+4622	+5270	+5638	+6379	+9009	+5570
RP25/A	+27%	+4628	+4321	+4567	+4842	+5051	+5265	+5670	+6431	+6824	+7689	+11002	+1.8397
RP50/A	+31%	+5853	+4923	+5223	+5537	+5745	+6043	+6426	+7265	+7686	+8220	+12439	+2.0392
RP100/A	+37%	+6860	+5734	+6221	+6521	+6875	+7261	+7661	+8423	+8849	+9498	+1.0606	+1.0229
RP1000/A	+47%	+6860	+7394	+7936	+8408	+8757	+8849	+9498	+1.0606	+1.0229	+1.2331	+1.6278	+0.8294
RP10000/A	+59%	+8535	+9213	+9948	+1.0538	+1.0970	+1.0948	+1.1740	+1.3029	+1.3438	+1.4994	+2.2539	+3.3833
PMP/A	+1.1469	+1.6850	+1.8238	+1.9183	+2.0313	+2.1130	+2.2232	+2.3791	+2.7149	+2.8718	+3.1859	+4.5448	+7.2400

PRECIPITATION-DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BMM	LATITUDE	LONGITUDE	COUNT CODE
Y02 5736 90	MOCKINBIRD RESERVOIR	1007	21	035	09W	5		33.897	117.415	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION (IN MILLIMETERS)													
	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.37	1.80	1.92	2.08	2.20	2.05	2.44	2.64	2.74	3.06	3.55	5.13	8.67	
5	2.08	2.77	2.98	3.25	3.42	3.18	3.75	4.04	4.17	4.60	5.26	7.72	12.15	
10	2.56	3.41	3.69	4.03	4.25	3.95	4.61	4.95	5.09	5.58	6.34	9.41	14.36	
20	3.02	4.02	4.36	4.79	5.04	4.68	5.41	5.81	5.95	6.67	7.34	11.00	16.38	
25	3.17	4.21	4.57	5.02	5.29	4.91	5.66	6.08	6.22	6.75	7.41	11.49	16.95	
40	3.84	4.71	5.00	5.51	5.80	5.38	6.11	6.61	6.82	7.32	8.29	12.11	18.60	
50	3.41	4.79	5.00	5.46	5.84	6.42	7.69	7.92	7.58	8.57	12.99	19.74	30.00	
100	4.04	5.36	5.83	6.45	6.79	7.16	7.67	7.80	8.39	9.46	14.45	20.60	33.00	
200	4.46	5.93	6.44	7.14	7.52	6.97	7.89	8.44	8.55	9.17	10.33	15.87	22.31	
1000	5.43	7.17	7.82	8.73	9.18	8.51	9.92	10.18	10.25	10.91	12.26	19.09	26.10	
10000	6.78	8.92	9.74	10.94	11.51	10.66	11.78	12.58	12.59	13.29	14.91	23.54	31.25	
PMP	12.98	17.92	19.29	21.09	22.18	20.52	23.91	25.49	26.24	28.40	31.69	47.46	66.86	

	MEAN	1.543	2.019	2.192	2.305	2.495	2.713	2.937	3.018	3.325	3.657	5.674	9.238
CLOCK_HZ	2.048	1.704	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED	1.140	1.070	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL	1.140	1.070	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
SKW_M	1.140	1.070	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
USED	1.140	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200

YEAR	34	33	33	32	33	30	32	32	33	33	34	34	34
RECORD YEAR	1969	1943	1943	1943	1943	1967	1943	1943	1969	1943	1969	1969	1941
RECORD MAXIMUM	23.0	23.0	4.0	4.63	2.73	3.142	2.590	2.590	6.30	6.30	8.00	8.00	1941
NORMALIZED MAX	1.376	2.271	1.361	2.271	2.733	2.387	2.276	2.276	2.310	1.949	2.540	3.220	
CALC. COEF. VAR	.375	.606	.433	.632	.622	.340	.414	.397	.373	.382	.378	.485	.425
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	,1671	,2186	,2341	,2500	,2700	,2516	,2937	,3179	,3267	,3611	,4175	,6142	1,0000
RP10/A	,2774	,3693	,3995	,4367	,4599	,4272	,4987	,5302	,5514	,6035	,6867	,1,0185	,15570
RP25/A	,3427	,4559	,4946	,5436	,5723	,5311	,6131	,6578	,6729	,7306	,8278	,1,2438	,1,8397
RP50/A	,3904	,5188	,5636	,6217	,6544	,6070	,6955	,7455	,7599	,8269	,9286	,1,4063	,2,0392
RP100/A	,4371	,5801	,6309	,6981	,7347	,6913	,7755	,8306	,8440	,9078	,1,0245	,1,5640	,2,2303
RP1000/A	,5876	,7765	,8465	,9446	,9938	,9208	,1,0303	,1,1018	,1,0999	,1,1807	,1,3275	,2,0603	,2,6256
RP10000/A	,7338	,9661	,1,0546	,1,0841	,1,2454	,1,1538	,1,2748	,1,3616	,1,3632	,1,4386	,1,6139	,2,5481	,3,3833
PMP/A	1,4050	1,9573	2,0878	2,2834	2,4007	2,2217	2,5982	2,7598	2,8405	3,0744	3,4300	5,1379	7,2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNB LOT BMN LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB Y02 7810 SAN JACINTO 1535 22 045 01W S 33°800' 116°983' 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.04	2.12	2.39	2.50	2.04	2.79	3.07	3.33	3.78	4.16	4.87	6.67	11.78
5	2.50	3.26	3.70	3.90	4.11	4.33	4.73	5.09	5.73	6.26	7.21	9.72	16.37
10	3.40	4.02	4.40	4.45	5.10	5.37	5.61	6.04	7.32	7.68	8.75	11.49	19.53
20	3.92	4.74	5.47	5.73	6.05	6.36	6.83	7.32	8.20	9.60	10.36	12.20	20.20
25	3.80	4.96	5.67	6.03	6.33	6.66	7.14	7.65	8.57	9.18	10.48	14.48	22.10
40	4.16	5.43	6.21	6.02	6.97	7.33	7.80	8.60	9.75	9.95	11.35	15.77	24.81
50	4.32	5.64	6.46	6.90	7.26	7.63	8.10	8.67	9.68	10.31	11.75	16.37	25.60
60	4.64	6.31	7.24	7.75	8.15	8.56	9.04	9.67	10.73	11.41	12.97	16.21	26.00
80	5.26	6.96	7.87	8.48	9.03	9.48	9.93	10.43	11.74	12.41	14.16	20.00	30.32
1000	6.51	8.45	9.71	11.48	11.12	11.58	12.00	12.82	14.13	14.84	16.44	20.99	35.47
10000	8.13	10.51	12.10	13.14	13.82	14.50	14.85	15.89	17.36	19.08	20.44	24.66	44.48
PMP	15.56	20.75	23.95	25.34	26.63	27.93	30.16	32.11	36.17	38.63	42.44	59.81	90.89

MEAN	1.851	2.378	2.685	2.841	2.996	3.163	3.421	3.700	4.160	4.537	5.287	T.151	12.555
CLOCK HR, COEF.	1.140	1.070	1.030	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEM	.755	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEM	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
SKEM USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000

KURTOSIS	3.022	4.517	7.769	7.777	6.933	6.031	6.226	7.552	5.480	5.820	4.313	3.531	3.781
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927
RECORD MAXIMUM	3.350	5.600	7.970	8.520	7.050	6.940	1.230	11.360	12.670	13.300	17.300	25.70	25.70
NORMALIZED MAX	2.085	3.205	4.300	4.320	4.144	3.985	3.711	4.361	3.762	3.872	3.330	3.155	2.732
CALC. COEF. VAR	.399	.423	.456	.463	.466	.458	.457	.467	.473	.463	.453	.366	.366
REGN. COEF. VAR	.494	.513	.526	.526	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.491	.491	.491	.416

MEAN/A	.1474	.1594	.2138	.2263	.2386	.2519	.2725	.2947	.3134	.3614	.4212	.5096	1.0000
RP10/A	.2467	.3201	.3850	.3859	.4086	.4277	.4629	.4960	.5593	.6040	.6927	.9444	1.5570
RP25/A	.3023	.3951	.4519	.4809	.5056	.5317	.5689	.6096	.6820	.7312	.8550	.1.1534	1.8397
RP50/A	.3444	.4496	.5149	.5495	.5782	.6077	.6454	.6909	.7768	.8216	.9361	.1.3040	2.0392
RP100/A	.3856	.5027	.5764	.6171	.6492	.6822	.7197	.7699	.8561	.9098	1.0355	1.4503	2.2303
RP1000/A	.5184	.6729	.7734	.8349	.8781	.9220	.9562	1.0211	1.1259	1.1817	1.3371	1.9161	2.6254
RP10000/A	.6474	.8327	.9636	1.0464	1.0801	1.1046	1.1556	1.1830	1.2282	1.3282	1.4398	1.6279	2.3828
PMP/A	1.2907	1.9102	2.0975	2.1210	2.1246	2.1403	2.5578	2.8018	3.0760	3.4598	3.7644	7.2000	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNB LOT BMN LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB Y02 7811 SAN JACINTO RES 1500 29 045 01W S 33°792' 116°997' 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.37	2.13	2.29	2.48	2.00	2.72	3.02	3.25	3.52	3.67	4.55	6.03	10.23
5	2.94	4.41	4.49	5.04	5.05	4.21	4.64	5.13	5.38	5.75	9.07	14.38	
10	3.46	4.70	5.20	5.69	5.96	6.19	7.07	7.55	7.66	8.00	11.30	16.69	
20	3.46	4.99	5.48	5.97	6.26	6.49	7.01	7.44	7.66	8.09	12.92	19.34	
25	3.63	4.99	5.48	5.97	6.26	6.49	7.01	7.44	7.66	8.09	12.92	20.06	
40	3.97	5.40	5.98	6.35	6.87	7.13	7.65	8.16	8.78	10.61	14.71	21.55	
50	5.14	6.68	6.21	6.02	7.16	7.42	7.95	8.64	9.02	9.99	10.99	12.24	
60	4.63	6.35	6.95	7.60	8.03	8.33	8.87	9.44	10.02	10.08	12.13	16.98	
100	5.12	7.01	7.87	8.49	9.05	9.23	9.80	10.47	10.92	10.99	13.24	19.84	
1000	6.49	8.92	10.37	10.94	11.61	11.70	12.53	13.11	13.80	14.20	22.43	30.81	
10000	7.77	10.57	11.61	13.00	13.62	14.11	14.58	14.98	15.18	15.93	19.11	27.66	38.89
PMP	14.09	20.87	22.99	25.07	26.25	27.17	29.60	31.38	33.71	34.03	40.61	55.70	70.93

MEAN	1.770	2.392	2.377	2.810	2.953	3.077	3.358	3.615	3.877	3.999	4.944	6.666	10.905
CLOCK HR, COEF.	1.140	1.070	1.04	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEM	.644	.664	.666	.667	.677	.677	.695	.700	.705	.713	.720	.728	.737
REGIONAL SKEM	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
SKEM USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000

KURTOSIS	4.510	1.973	2.296	3.006	4.027	3.590	2.686	2.990	3.210	3.056	3.892	5.297	5.140
N	26	26	26	26	25	26	25	26	26	25	26	26	26
RECORD YEAR	1927	1966	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974
RECORD MAXIMUM	3.410	3.800	6.464	6.210	6.430	6.490	6.710	6.990	7.390	7.320	11.120	19.69	19.69
NORMALIZED MAX	2.256	1.420	1.071	2.598	2.598	2.471	2.003	2.084	2.074	2.042	2.574	2.924	2.009
CALC. COEF. VAR	.411	.414	.420	.466	.460	.449	.479	.460	.431	.407	.485	.403	.452
REGN. COEF. VAR	.494	.513	.520	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.491	.491	.491	.416

MEAN/A	.1023	.2194	.2303	.2577	.2708	.2822	.3079	.3315	.3356	.3667	.4534	.6115	1.0000
RP10/A	.2093	.3707	.4394	.4396	.4602	.4790	.5230	.5590	.6001	.6130	.7456	.1.0139	1.5570
RP25/A	.3329	.5576	.4994	.5472	.5739	.5936	.6426	.6858	.7323	.7420	.8988	.1.2382	1.8397
RP50/A	.3793	.5206	.5691	.6238	.6562	.6807	.7293	.7773	.8270	.8338	.9007	1.0000	2.0392
RP100/A	.4246	.5021	.6370	.7020	.7368	.7840	.8132	.8660	.9105	.9221	.1.1215	1.1570	2.2303
RP1000/A	.5374	.7075	.8530	.9026	.9686	1.0265	1.0804	1.1404	1.2045	1.2192	1.4116	2.0537	2.6254
RP10000/A	.7159	.9695	1.0420	1.0920	1.1620	1.2092	1.2652	1.3199	1.3837	1.4062	1.7504	2.2667	3.0333
PMP/A	1.3051	1.9140	2.1001	2.2986	2.4074	2.4913	2.7144	2.8774	3.0913	3.1227	3.7243	5.1149	7.2

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB Y02 Y013 30 SAN JACINTO SOF 1560 35 045 01W S 33°78'7 116°9'58" 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.60	2.11	2.24	2.37	2.54	2.62	2.89	3.16	3.49	3.77	4.46	5.62	10.78
5	2.43	3.24	3.48	3.69	3.95	4.07	4.44	4.83	5.31	5.66	6.84	9.75	15.16
10	3.00	3.99	4.31	4.58	4.91	5.05	5.46	5.92	6.49	6.86	8.01	10.67	17.89
20	3.53	4.70	5.09	5.44	5.82	5.98	6.41	7.01	7.51	8.31	9.55	12.73	20.37
25	3.70	4.93	5.32	5.71	6.11	6.28	6.71	7.31	7.81	8.61	9.83	11.03	21.14
40	4.05	5.29	5.64	6.06	6.71	6.99	7.32	7.93	8.08	9.31	10.45	14.19	24.70
50	4.26	5.61	6.06	6.52	6.99	7.17	7.61	8.24	8.9	9.33	10.82	14.73	23.43
100	4.72	6.27	6.81	7.33	7.84	8.03	8.49	9.18	9.93	10.32	11.95	16.38	25.62
200	5.22	6.92	7.52	8.12	8.69	8.92	9.34	10.19	10.89	11.28	13.04	18.00	27.74
1000	6.38	8.38	9.13	9.91	10.61	10.86	11.28	12.17	13.06	13.43	15.48	21.64	32.46
10000	7.92	10.44	11.38	12.43	13.30	13.63	13.95	15.05	16.03	16.35	18.82	26.69	38.87
PMP	15.17	20.61	22.53	23.98	25.63	26.26	28.33	30.49	33.41	34.96	39.99	53.81	83.18
MEAN	1.864	2.362	2.525	2.687	2.883	2.974	3.214	3.513	3.843	4.106	4.869	6.433	11.489
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.629	.943	.674	.643	.644	.793	.406	.325	.543	.589	1.035	1.245	1.268
REGIONAL SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.200	1.200	1.200	1.200	.900

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE
201 2021 11 EL TORO-MOUTON RANCH 375 34 065 08W F S 33°60'7 117°7.02 30
MEAN/H/A .1570 .2056 .2198 .2338 .2510 .2580 .2790 .3074 .3345 .3574 .4230 .5599 1.0000
RP10/A .2607 .3475 .3752 .3989 .4376 .4399 .4725 .5186 .5445 .5973 .6970 .9285 .3370
RP25/A .3424 .4248 .4481 .4765 .5134 .5163 .5460 .5432 .5889 .7231 .8401 .1339 .18397
RP50/A .3659 .4679 .5293 .5679 .6081 .6244 .6481 .6526 .7159 .7780 .8125 .9419 .12920 2.0392
RP100/A .4108 .5455 .5925 .6377 .6828 .7008 .7386 .7798 .8641 .8985 .1.0398 .1.4258 2.2303
RP1000/A .5523 .7302 .7949 .8629 .9235 .9472 .9816 1.0395 1.1383 1.1606 1.3473 1.8037 2.0254
RP10000/A .6987 .9986 .9904 1.0816 1.1574 1.1865 1.2144 1.3095 1.3957 1.4238 1.6380 2.3229 3.3833
PMP/A 1.3207 1.7637 1.9097 2.0588 2.2310 2.2894 2.4661 2.6333 2.9082 3.0429 3.4812 4.6833 7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWH LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 201 2021 11 EL TORO-MOUTON RANCH 375 34 065 08W F S 33°60'7 117°7.02 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	2.23	2.67	2.89	3.04	12.65
5	3.41	4.13	4.54	4.77	10.10
10	4.23	5.13	5.69	5.98	21.85
20	5.03	6.10	6.81	7.15	25.47
25	5.23	6.41	7.16	7.53	25.61
40	5.81	7.04	7.90	8.4	28.69
50	6.06	7.24	8.05	8.67	31.10
100	6.93	8.26	9.32	9.80	33.53
200	7.59	9.17	10.39	10.92	36.92
1000	9.33	11.25	12.82	13.48	44.66
10000	11.79	14.16	16.26	17.09	55.53
PMP	21.48	26.55	29.82	31.35	101.77
MEAN	2.554	3.043	3.343	3.514	14.057
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKW	.761	1.378	1.275	.998	.903
REGIONAL SKW	1.600	1.500	1.600	1.600	1.500
SKW USED	1.600	1.500	1.600	1.600	1.500

KURTOSIS	3.551	6.732	5.142	4.422	3.641
N	.93	.93	.93	.93	.94
RECORD YEAR	1927	1943	1943	1943	1984
RECORD MAXIMUM	5.300	8.450	8.680	8.880	32.650
NORMALIZED MAX	2.500	3.987	3.385	3.315	3.268
CALC. COEF. VAR	.430	.444	.472	.467	.405
REGN. COEF. VAR	.46	.415	.528	.520	.416
USED COEF. VAR	.494	.515	.328	.328	.416

MEAN/H/A	.1817	.2165	.2378	.2500	1.0000
RP10/A	.3010	.3651	.4047	.4254	1.3547
RP25/A	.3758	.4551	.5095	.5355	1.7927
RP50/A	.4124	.4223	.4549	.4909	2.1412
RP100/A	1.0580	1.3678	1.6633	1.6972	2.3054
RP1000/A	.6628	.8000	.9123	.9589	3.1771
RP10000/A	.0385	1.0073	1.1566	1.2159	3.9506
PMP/A	1.5260	1.8888	2.1215	2.2299	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO. BSN ORDER SUB 201 4647 1	STATION NAME LAGUNA BEACH HARDWARE	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		30	23	075	09W	J	S	33.542	117.700	30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	2D	3D	40	W YR
2	1.94	2.43	2.57	2.72	11.09
5	2.05	3.76	4.03	4.26	15.86
10	3.67	4.66	5.06	5.34	19.16
20	4.28	5.50	5.95	6.39	22.32
40	4.50	5.84	6.42	6.92	24.62
80	5.04	6.42	7.03	7.41	25.41
100	5.25	6.69	7.34	7.74	26.39
200	5.92	7.53	8.29	8.75	29.40
1000	8.09	10.25	11.40	12.03	39.15
10000	10.22	12.91	14.46	15.28	46.68
RP50	18.52	24.20	26.92	27.98	89.22

MEAN	2,214	2,774	2,973	3,137	12-323
CLOCK HR.	1,140	1,070	1,040	1,020	1,000
CALCULATED SKEW	.791	1.155	.897	.746	1.277
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500
SKEW USED	1.600	1.500	1.600	1.600	1.500

KURTOSIS	3.313	5.016	3.676	3.303	4.001
N	43	43	43	43	44
RECORD YEAR	1927	1943	1943	1943	1961
RECORD MAXIMUM	4,020	8,500	6,700	6,000	29,290
NORMALIZED MAX	2,110	2,093	2,549	2,580	3,422
CALC. COEF. VAR	.406	.464	.490	.445	.422
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1797	.2251	.2412	.2545	1.0000
RP10/A	.2976	.3796	.4105	.4331	.5547
RP25/A	.3717	.4730	.5167	.5452	.6927
RP50/A	.4264	.5431	.5953	.6201	.7412
RP100/A	.4804	.6111	.6727	.7098	.2,3854
RP1000/A	.6564	.8317	.9259	.9763	3,1771
RP10000/A	.6292	1.0473	1.1733	1.2380	3,9506
RP500/A	1.3111	1.9638	2.1511	2.2701	7,2460

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 201 4650 0	STATION NAME LAGUNA BEACH	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
		210	22	075	09W	H	S	33.551	117.800	30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	2D	3D	40	50	60	80	100	150	200	300	600	3650
2	1.85	2.19	2.46	2.54	2.63	2.74	2.95	3.19	3.55	3.92	4.79	6.43	10.39
5	2.62	3.39	3.85	3.98	4.10	4.25	4.56	4.87	5.43	5.91	7.10	9.60	14.72
10	3.50	4.21	4.82	5.00	5.12	5.27	5.63	5.97	6.65	7.20	8.58	11.60	17.50
20	4.50	5.40	5.97	6.19	6.40	6.55	7.00	7.37	8.02	8.59	9.80	12.80	18.80
25	4.38	5.26	6.09	6.30	6.40	6.55	6.96	7.32	8.18	8.78	10.31	14.01	20.69
40	5.81	6.78	6.72	6.95	7.05	7.19	7.62	7.99	8.92	9.44	11.17	15.18	21.28
50	5.02	6.02	7.02	7.25	7.35	7.49	7.93	8.30	9.27	9.86	11.56	15.72	23.31
100	5.66	6.78	7.93	8.20	8.28	8.41	8.87	9.25	10.33	10.67	12.77	17.37	25.66
200	6.28	7.52	8.84	9.13	9.20	9.31	9.75	10.17	11.36	12.02	13.93	18.97	27.94
1000	7.73	9.23	10.91	11.28	11.29	11.36	11.88	12.27	13.70	14.39	16.54	22.55	33.07
10000	9.78	11.62	13.93	14.30	14.23	14.23	14.70	15.18	16.93	17.85	20.11	27.45	40.13
RP500	17.79	21.78	25.37	26.22	26.28	26.74	29.25	30.72	34.33	36.67	42.74	50.51	61.33

MEAN	2.115	2.497	2.844	2.939	3.008	3.104	3.318	3.540	3.948	4.306	5.203	6.994	11.233
CLOCK HR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	.547	.835	.955	.936	.849	.806	.611	.501	.370	.509	.762	1,398	1,092
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.500	1.300	1.200	1.200	1.200	1.200	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.500	1.400	1.300	1.200	1.200	1.200	1.000	1.000

KURTOSIS	2.538	3.468	3.623	3.468	3.254	3.096	2.744	2.339	2.101	2.458	2.704	5.470	4.190
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1935	1956	1958	1958	1956	1966	1959	1969	1969	1969	1969	1969	1958
3-SUM	3,500	4,600	5,000	5,000	6,200	6,300	6,000	6,800	7,000	8,600	10,520	17,320	23,070
NORMALIZED MAX	1,589	2,613	2,283	2,124	2,109	2,094	2,072	1,849	1,868	2,076	1,969	2,913	2,431
CALC. COEF. VAR	.439	.490	.520	.530	.513	.504	.502	.497	.505	.509	.519	.523	.441
REGN. COEF. VAR	.494	.515	.520	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.521	.512	.513	.501	.481	.481	.491	.416

MEAN/A	.1083	.2222	.2532	.2617	.2676	.2764	.2954	.3151	.3514	.3634	.4632	.6226	i.0000
RP10/A	.5119	.3748	.4308	.4433	.4556	.4692	.5014	.5314	.5931	.6449	.7619	1,0324	1,5578
RP25/A	.3095	.4467	.5423	.5805	.5701	.5933	.6198	.6519	.7278	.7801	.8182	2,471	1,6593
RP50/A	.4465	.5362	.6247	.6457	.6543	.6687	.7057	.7380	.8249	.8798	.1,0295	1,3998	2,0753
RP100/A	.5035	.6334	.7061	.7298	.7370	.7453	.7895	.8232	.9192	.9762	1,1306	1,5467	2,0840
RP1000/A	.6879	.8213	.9711	1.0037	1.0051	1.0114	1.0579	1.0919	1.1295	1.2810	1.4729	2,0078	2,9442
RP10000/A	.8690	1.0341	1.2314	1.2728	1.2970	1.2669	1.3171	1.3496	1.5075	1.5712	1.7902	2,4437	3,5729
RP500/A	1.5836	1.9591	2.2583	2.3342	2.3869	2.4402	2.6035	2.7350	3.0557	3.2643	3.8046	5.2063	7.2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH= DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNO LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB SAN CLEMENTE POLICE 260 33 08S 07W R S 33°42' 117°50' 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	W YR
2	1.93	2.46	2.74	2.83	11.08	
5	2.95	3.81	3.29	2.44	15.85	
10	3.67	4.24	5.30	5.85	19.14	
20	4.36	5.63	6.43	6.86	22.30	
25	4.53	5.92	6.77	7.00	23.30	
40	5.03	6.50	7.47	7.73	25.38	
50	5.25	6.78	7.80	8.07	26.36	
100	5.92	7.85	8.81	9.14	29.37	
200	6.57	8.47	9.82	10.16	32.43	
1000	8.28	10.98	12.12	12.56	37.12	
10000	10.21	13.07	15.37	15.91	40.64	
PMP	16.61	24.92	28.19	29.17	69.14	

MEAN	2.213	2.610	3.160	3.270	12.312	
CLOCK HR, COR.	1.190	1.070	1.080	1.020	1.000	
CALCULATED SKEW	.190	.177	.189	.101	.100	
REGIONAL SKEW	1.600	1.500	1.800	1.600	1.500	
SKW USED	1.600	1.500	1.600	1.600	1.500	

KURTOSIS	3.456	6.404	3.954	3.636	3.974	
REC'D	N	35	35	35	37	
RECORD YEAR	1933	1933	1933	1933	1931	
RECORD MAXIMUM	4.400	7.400	7.530	7.620	27.010	
NORMALIZED MAX	2.243	3.142	2.619	2.591	2.746	
CALC. COEF. VAR	.441	.520	.526	.513	.434	
REGN. COEF. VAR	.494	.515	.526	.528	.416	
USED COEF. VAR	.494	.515	.526	.528	.416	

MEAN/A	.1797	.2282	.2566	.2856	1.0000	
RP10/A	.2977	.3849	.4367	.4520	1.5547	
RP25/A	.3717	.4604	.5497	.5689	1.8927	
RP50/A	.4265	.5506	.6333	.6554	2.1412	
RP100/A	.4805	.6196	.7159	.7407	2.3854	
RP1000/A	.8565	.8433	.9845	1.0188	3.1771	
RP10000/A	.8294	1.0819	1.2483	1.2919	3.9508	
RP/M/A	1.5114	1.9912	2.2973	2.3892	7.2400	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNO LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB SAN JUAN CAPISTRANO-500+E 160 01 08S 06W 8 S 33°51' 117°06' 30

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3850
2	2.08	2.59	2.79	3.02	3.24	3.43	3.66	3.97	4.49	4.89	5.92	7.90	12.89
5	3.16	4.00	4.43	4.56	5.32	5.86	5.07	5.47	7.38	8.16	10.56	14.79	18.25
10	3.57	4.70	5.48	5.94	6.30	6.81	7.44	8.43	8.99	10.56	14.99	21.71	
20	4.49	5.92	6.55	7.11	7.50	7.82	8.24	8.73	9.89	10.48	12.22	16.91	
25	4.93	6.21	6.89	7.40	7.88	8.20	8.64	9.13	10.34	10.94	12.73	17.21	25.91
40	5.42	6.83	7.60	8.25	8.67	9.00	9.45	9.96	11.28	11.17	13.79	18.65	26.40
50	5.65	7.12	7.94	8.61	9.05	9.38	9.83	10.35	11.72	12.34	14.28	19.32	26.92
100	6.37	8.01	8.97	9.74	10.19	10.32	11.00	11.53	13.05	13.69	15.76	21.35	31.83
200	7.08	8.89	10.00	10.85	11.32	11.85	12.14	12.82	14.37	15.41	17.40	23.37	34.86
1000	11.70	16.91	12.54	13.99	14.42	14.94	15.30	15.74	17.99	20.02	21.82	27.71	41.02
10000	11.10	12.73	10.65	11.98	12.52	13.52	14.35	15.81	21.42	22.03	24.82	33.73	49.79
PMP	20.04	25.75	20.70	31.14	32.92	34.32	36.26	38.32	43.42	45.77	52.76	71.86	100.88

MEAN	2.383	2.951	3.218	3.491	3.703	3.087	4.115	4.415	4.993	5.376	6.423	8.593	13.934
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.630	1.595	1.384	1.193	1.181	1.080	.999	.934	.913	.517	.480	.554	.570
REGIONAL SKEW	1.600	1.500	1.600	1.500	1.600	1.300	1.200	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.500	1.600	1.300	1.200	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	5.791	5.889	4.849	4.207	4.185	3.646	3.310	3.210	2.370	2.508	2.427	2.922	2.941
REC'D	N	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1967	1956	1967	1957	1956	1957	1952	1952	1952	1952	1952	1959	1941
RECORD MAXIMUM	6.000	8.000	8.330	8.330	8.360	8.360	8.610	10.070	10.450	11.540	12.760	18.740	27.830
NORMALIZED MAX	2.935	3.191	3.022	2.810	2.691	2.484	2.512	2.797	2.475	2.599	2.402	2.790	2.687
CALC. COEF. VAR	.517	.536	.526	.493	.469	.485	.454	.456	.441	.441	.411	.423	.371
REGN. COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.528	.526	.522	.512	.513	.501	.481	.491	.416		

MEAN/A	.1710	.2110	.2309	.2505	.2658	.2789	.2953	.3188	.3584	.3858	.4509	.6167	1.0000
RP10/A	.2633	.3572	.3729	.4264	.4521	.4736	.5014	.5343	.6048	.6449	.7581	1.0266	1.8593
RP25/A	.3537	.4459	.4946	.5367	.5657	.5887	.6197	.6555	.7421	.7850	.9138	1.2352	1.8593
RP50/A	.4058	.5110	.5698	.6103	.6492	.6729	.7056	.7429	.8142	.8853	1.0245	1.3864	2.0753
RP100/A	.4572	.5751	.6440	.6997	.7313	.7553	.7894	.8277	.9373	.9823	1.1310	1.3937	2.0640
RP1000/A	.6247	.7825	.8857	.9604	.9740	1.0200	1.078	1.097	1.2424	1.2882	1.4984	1.7426	2.4924
RP10000/A	.7042	.8754	1.1232	1.2107	1.2572	1.2857	1.3170	1.3771	1.5372	1.5811	1.7815	2.2404	3.5729
RP/M/A	1.4361	1.6479	2.0397	2.2349	2.3026	2.4430	2.6034	2.7501	3.1159	3.2049	3.7884	5.1588	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 201 8992 0	STATION NAME TRABUCO CANYON 133	ELEV 970	SEC 15	TWP 065	RNG 07W	LOT A	BMM S	LATITUDE 33.697	LONGITUDE 117.592	COUNTY CODE 30
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS												
	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.59	3.33	3.49	3.69	3.89	4.19	4.55	4.91	5.32	5.62	6.89	9.16	15.07
5	3.95	5.15	5.47	5.79	6.07	6.44	7.02	7.51	8.14	8.78	10.20	13.67	21.34
10	4.91	6.52	6.87	7.26	7.74	8.49	9.47	10.22	11.71	12.45	14.22	19.45	25.37
20	5.63	7.62	8.92	9.49	10.02	10.48	11.75	12.32	13.36	13.27	15.02	19.52	29.12
25	6.13	8.00	9.64	10.14	10.48	10.90	11.75	12.21	13.11	13.25	13.70	15.96	21.63
40	6.74	8.60	9.54	10.48	10.43	10.90	11.75	12.32	13.36	13.27	15.04	19.56	30.85
50	7.03	9.17	9.96	10.33	10.68	11.35	12.21	12.80	13.88	14.67	16.61	22.41	33.80
100	7.92	10.32	11.25	11.90	12.26	12.74	13.61	14.20	15.47	16.27	18.34	24.76	37.20
200	8.80	11.45	12.54	13.25	13.61	14.11	15.01	15.69	17.02	17.64	20.02	27.04	40.51
1000	10.82	14.05	15.48	16.36	16.71	17.22	18.30	18.92	20.52	21.39	23.77	32.12	47.95
10000	13.07	16.98	19.13	20.51	20.75	21.56	22.81	23.89	25.91	26.69	30.92	39.22	56.19
PMP	24.90	33.16	35.99	36.05	35.97	41.96	43.04	47.38	51.42	56.42	61.40	63.38	117.91
MEAN	2.961	3.601	4.035	4.266	4.454	4.766	5.109	5.459	5.913	6.391	7.475	9.967	16.286
CLOCK MR. COR.	1.146	1.670	1.911	1.952	1.912	1.937	1.908	1.909	1.909	1.909	1.909	1.909	1.909
CALCULATED SKEW	1.870	1.974	1.993	1.992	1.992	1.992	1.992	1.992	1.992	1.992	1.992	1.992	1.992
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.360	1.200	1.200	1.100	1.000	1.000	1.000
USED SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.360	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	5.602	7.630	6.136	5.589	5.178	4.960	3.635	3.906	3.174	2.743	2.321	3.704	4.375
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
RECORD MAXIMUM	7.000	10.000	11.200	11.200	11.200	12.220	12.220	13.220	13.220	13.220	13.220	13.220	13.220
NORMALIZED MAX	2.530	3.119	2.984	2.833	2.833	2.833	2.833	2.833	2.833	2.833	2.833	2.833	2.833
CALC. COEF. VAR	.540	.593	.603	.577	.565	.556	.526	.508	.484	.461	.447	.492	.436
REGN. COEF. VAR	.494	.515	.528	.528	.528	.528	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.528	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1810	.2324	.2478	.2619	.2735	.2890	.3137	.3382	.3631	.3924	.4589	.6120	.10000
RP10/A	.3012	.3936	.4216	.4457	.4653	.4946	.5326	.5652	.5828	.6128	.7348	.1.0148	.1.5787
RP25/A	.3761	.4913	.5307	.5611	.5821	.6099	.6583	.6934	.7519	.7903	.8560	.9499	.1.2255
RP50/A	.4213	.5631	.6114	.6464	.6661	.6971	.7496	.7859	.8523	.9065	.1.0201	.1.3759	.2.0753
RP100/A	.4861	.6337	.6910	.7305	.7325	.7824	.8386	.8757	.9497	.9992	.1.1262	.1.5203	.2.2840
RP1000/A	.6642	.8624	.9504	1.0048	1.0263	1.0575	1.1237	1.1615	1.2599	1.3111	1.4592	1.9736	2.9442
RP10000/A	.8391	1.0859	1.2051	1.2741	1.2937	1.3245	1.3990	1.4356	1.5575	1.6062	1.7737	2.4020	3.5729
PMP/A	1.4291	2.0363	2.2101	2.3365	2.4311	2.5510	2.7855	2.9093	3.1576	3.3412	3.7762	5.1190	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB 201 8992 1	STATION NAME TRABUCO CANYON	ELEV 1250	SEC 5	TWP 33.658	RNG 117.570	LOT 30
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RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
	10	20	30	40	W YR							
2	2.62	3.40	3.66	4.03	16.31							
5	4.00	5.26	5.70	6.32	23.32							
10	4.97	6.55	7.15	7.92	28.17							
20	5.91	7.76	8.36	9.48	32.62							
25	6.20	8.17	9.00	9.90	37.20							
40	6.92	8.99	9.93	11.00	37.35							
50	7.12	9.37	10.37	11.49	38.79							
100	8.02	10.54	11.72	12.99	43.22							
200	8.91	11.70	13.06	14.47	47.59							
1000	10.96	14.35	16.12	17.88	57.55							
10000	13.64	18.07	20.44	22.65	71.58							
PMP	25.22	33.88	37.49	41.34	131.17							
MEAN	2.999	3.683	4.203	4.656	18.118							
CLOCK MR. COR.	1.140	1.670	1.904	1.920	1.900							
CALCULATED SKEW	1.526	1.767	1.482	1.775	1.745							
REGIONAL SKEW	1.000	1.500	1.600	1.600	1.500							
USED SKEW	1.000	1.500	1.600	1.600	1.500							
KURTOSIS	6.166	6.664	4.897	6.601	3.233							
N	40	40	40	41	41							
RECORD YEAR	1943	1943	1943	1927	1941							
RECORD MAXIMUM	7.300	10.500	10.850	15.200	35.700							
NORMALIZED MAX	2.811	2.957	2.994	3.244	2.522							
CALC. COEF. VAR	.510	.559	.597	.641	.563							
REGN. COEF. VAR	.494	.513	.528	.520	.416							
USED COEF. VAR	.494	.513	.528	.520	.416							
MEAN/A	.1655	.2143	.2320	.2970	1.0000							
RP10/A	.2742	.3615	.3948	.4373	1.5347							
RP25/A	.3244	.4512	.4699	.5505	.8927							
RP50/A	.3926	.5171	.5725	.6342	2.1412							
RP100/A	.4423	.5819	.6476	.7166	2.3854							
RP1000/A	.6047	.7920	.8699	.9656	3.1771							
RP10000/A	.7639	.9972	1.2024	1.2501	3.9506							
PMP/A	1.3920	1.8699	2.0693	2.2925	7.2000							

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 202 235 0 STATION NAME ANZA ELEV 162 SEC 3915 TMP 16 RND 075 LOT 0 SWM 5 LATITUDE 33.556 LONGITUDE 116.675 COUNTY CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	19D	20D	30D	60D	365D
2	1.87	2.19	2.40	2.50	2.67	2.84	3.05	3.27	3.55	3.62	4.62	5.85	10.88
5	2.85	3.39	3.77	3.91	4.17	4.41	4.71	4.99	5.43	5.77	6.84	8.72	15.40
10	3.54	4.22	4.73	4.91	5.20	5.47	5.62	6.12	6.65	7.02	8.25	10.54	18.31
20	4.21	5.05	5.65	5.81	6.20	6.46	6.66	7.18	7.51	8.19	9.55	12.22	21.01
25	4.52	5.35	6.05	6.18	6.51	6.80	7.19	7.67	8.07	8.55	9.95	12.85	21.85
40	4.86	5.80	6.56	6.81	7.17	7.48	7.87	8.20	8.92	8.72	10.77	13.80	22.27
50	5.07	6.04	6.85	7.12	7.47	7.77	8.19	8.51	9.26	9.64	11.15	14.30	24.39
100	5.71	6.80	7.74	8.04	8.42	8.72	9.16	9.49	10.32	10.70	12.31	15.80	26.85
200	6.35	7.55	8.63	8.96	9.35	9.66	10.12	10.44	11.36	11.72	13.44	17.25	29.24
1000	7.80	9.25	10.65	11.06	11.48	11.79	12.29	12.58	13.70	14.04	15.99	20.51	34.61
10000	9.86	11.85	13.51	14.02	14.47	14.77	15.29	15.58	16.93	17.22	19.39	24.80	42.00
PPF	17.97	21.85	24.77	25.12	27.20	26.45	30.22	31.92	34.32	35.77	41.21	53.19	85.10

MEAN	2.136	2.504	2.777	2.883	3.059	3.222	3.428	3.631	3.947	4.200	5.017	6.359	11.754
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.822	1.916	1.080	1.282	1.291	1.120	1.200	1.394	1.368	1.202	1.170	.90	.830
REGIONAL SKW	1.500	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100

KURTOSIS	8.036	3.688	3.316	4.141	4.511	4.029	3.944	4.769	4.530	3.763	3.828	3.645	2.988
N	23	23	23	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1966	1966	1967	1967	1967	1967	1966	1966	1966	1966	1966	1958	1952
NORMALIZED MAX	5.000	5.100	5.830	5.730	7.250	7.290	7.380	8.300	8.740	8.740	10.850	12.830	21.955
CALC. COEF. VAR	2.10	2.09	2.09	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.01
REBN. COEF. VAR	.494	.515	.537	.533	.513	.488	.499	.497	.499	.464	.449	.430	.430
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.522	.512	.513	.501	.481	.461	.461

MEAN/A	.1817	.2131	.2362	.2453	.2603	.2741	.2910	.3059	.3358	.3574	.4268	.5410	1.0000
RP10/A	.3030	.3693	.4020	.4174	.4498	.4654	.4951	.5210	.5667	.5974	.7020	.8970	.9578
RP25/A	.3759	.4405	.5000	.5255	.5541	.5786	.6119	.6392	.6594	.6774	.8462	.1.0835	.8593
RP50/A	.4313	.5141	.5830	.6053	.6359	.6613	.6968	.7244	.7882	.8201	.9487	.1.2162	.2.0753
RP100/A	.4999	.5705	.6500	.6841	.7162	.7423	.7795	.8071	.8783	.9100	.1.0473	.1.3438	.2.2840
RP1000/A	.6640	.7873	.9062	.9410	.9768	1.0033	1.0445	1.0703	1.1652	1.1941	1.3570	1.7445	2.9462
RP10000/A	.8388	.9913	1.1491	1.1932	1.2313	1.2588	1.3004	1.3233	1.4400	1.4667	1.6498	2.1232	3.5729
PPM/A	1.5285	1.6585	2.1073	2.1881	2.2139	2.4207	2.5766	2.6818	2.9198	3.0429	3.5063	4.5252	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 202 6042 0 STATION NAME MURRIETA 5 C P ELEV 1131 SEC 17 TMP 075 RND 03M LATITUDE 33.563 LONGITUDE 117.223 COUNTY CODE 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.48	2.97	3.15	3.32	3.43	3.50	3.82	4.16	4.45	4.71	5.78	7.35	11.34
5	3.77	4.57	4.90	5.17	5.33	5.43	5.87	6.35	6.78	7.08	8.57	11.06	15.94
10	4.64	5.63	6.06	6.43	6.63	6.73	7.22	7.74	8.27	8.77	10.43	13.46	18.81
20	5.47	6.64	7.12	7.62	7.80	7.98	8.49	9.03	9.56	9.96	11.95	15.30	21.42
25	5.83	6.66	7.50	8.00	8.25	8.37	8.67	9.55	10.09	10.39	12.45	17.22	22.22
40	6.27	7.61	8.21	8.78	9.05	9.19	9.60	10.42	10.31	11.27	13.48	17.93	23.87
50	6.53	7.91	8.55	9.15	9.43	9.57	10.05	10.82	11.40	11.67	13.95	18.62	24.63
100	7.31	8.85	9.57	10.28	10.59	10.74	11.22	12.06	12.66	12.91	15.41	20.71	26.94
200	8.00	9.77	10.57	11.38	11.73	11.89	12.35	13.27	13.89	14.11	16.82	22.75	29.17
1000	9.83	11.84	12.83	13.90	14.32	14.52	14.91	16.00	16.65	16.79	19.96	27.36	34.13
10000	12.27	14.74	15.99	17.43	17.95	18.19	18.64	19.17	20.45	20.48	24.27	33.73	40.87
PPF	23.50	29.09	31.66	33.01	34.86	35.03	37.45	40.07	42.61	43.72	51.58	66.02	87.46

MEAN	2.794	3.335	3.549	3.768	3.892	3.967	4.249	4.617	4.901	5.135	6.279	8.132	12.080
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.837	1.812	2.007	1.680	1.808	1.810	1.976	1.226	1.125	1.028	2.431	2.207	1.303
REGIONAL SKW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900
SKW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	1.200	.900

KURTOSIS	5.266	6.349	7.884	6.242	T+072	T+277	6.557	5.730	4.941	4.756	10.554	9.622	5.737
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1970	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	6.300	8.400	10.000	10.010	10.030	10.030	11.610	11.610	11.610	11.610	20.070	28.000	28.000
CALC. COEF. VAR	2.00	2.645	3.010	2.246	3.338	3.033	3.038	2.909	2.782	3.465	3.467	3.397	2.7468
REBN. COEF. VAR	.427	.574	.609	.578	.562	.547	.538	.523	.502	.480	.666	.639	.494
USED COEF. VAR	.494	.515	.520	.520	.520	.522	.521	.512	.513	.501	.481	.461	.416

MEAN/A	.2313	.2760	.2928	.3119	.3221	.3284	.3517	.3822	.4057	.4250	.5198	.6731	1.0000
RP10/A	.3840	.4564	.5015	.5320	.5846	.5574	.5973	.6444	.6848	.7105	.8549	1.1126	1.5570
RP25/A	.4744	.5758	.6200	.6623	.6627	.6531	.7342	.7906	.8357	.8600	.1.0305	.1.3631	1.6397
RP50/A	.5405	.6651	.7074	.7575	.7606	.7921	.8329	.8980	.9437	.9664	.1.1553	.1.5412	2.0392
RP100/A	.6051	.7325	.7719	.8567	.8765	.8891	.9268	.9984	.1.0481	.1.0687	.1.2755	.1.7141	2.2303
RP1000/A	.8135	.9805	1.0622	1.1510	1.1855	1.2017	1.2340	1.3243	1.3784	1.3899	1.6526	2.2846	2.8254
RP10000/A	1.0159	1.2200	1.3238	1.4420	1.4887	1.5054	1.5267	1.6309	1.6930	1.8935	2.0091	2.7925	3.3833
PPM/A	1.9453	2.4085	2.6206	2.7822	2.8639	2.8996	3.1002	3.3172	3.5277	3.6192	4.2700	5.6500	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB 0 PALOMAR MTN OBS 187 5560 27 095 01E S 33°39'0 116°08'0 99'

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.23	5.37	5.93	6.12	6.48	6.89	7.41	7.90	8.50	9.12	10.56	14.55	24.40
5	6.44	8.31	9.29	9.59	10.11	10.66	11.44	12.00	13.00	13.77	15.85	21.72	34.55
10	8.00	10.34	11.65	12.03	12.62	13.25	14.13	14.81	15.95	16.76	18.86	26.25	41.08
20	9.82	12.67	13.94	14.40	15.93	15.71	16.67	17.37	18.71	19.54	21.92	30.42	47.15
40	11.00	14.19	16.16	16.71	17.38	18.06	19.11	19.82	21.35	20.63	24.41	34.35	46.96
50	11.87	14.79	16.79	17.45	18.12	18.83	19.68	20.59	22.18	23.01	25.49	35.59	54.73
100	12.92	16.65	19.10	19.75	20.61	21.14	22.24	22.94	24.72	25.53	26.16	39.32	60.24
200	14.36	18.48	21.27	21.97	22.67	23.41	24.36	25.24	27.20	27.99	30.71	42.94	65.60
1000	17.65	22.66	26.27	27.13	27.84	28.57	29.81	30.43	32.79	33.51	36.46	51.04	77.65
10000	22.30	28.53	33.31	34.43	35.10	35.79	37.11	37.61	40.59	41.10	44.32	62.13	94.23
PMP	40.64	53.50	61.08	65.95	68.94	73.36	76.23	82.17	85.38	94.20	132.41	190.94	

MEAN	6.132	6.848	7.072	7.416	7.807	8.322	8.762	9.450	10.028	11.467	15.829	26.373
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.762	1.390	1.642	1.730	1.643	1.579	1.420	1.285	1.362	1.284	1.334	1.988
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.100

KURTOSIS	6.738	4.393	5.905	6.614	7.525	8.416	5.410	6.538	8.822	4.429	4.968	8.756	4.385
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1965	1987	1987	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
RECORD MAXIMUM	12,270	13,900	19,250	21,070	23,730	23,730	23,730	23,730	26,240	30,740	51,990	60,270	
NORMALIZED KX	2.903	2.319	3.129	3.365	3.626	3.465	3.185	2.907	2.803	2.799	3.050	3.941	3.001
CALC. COEF. VAR	.524	.346	.524	.528	.526	.526	.526	.526	.526	.526	.526	.526	.428
REGN. COEF. VAR	.494	.513	.526	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.513	.526	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416

MEAN	A	1.832	.2329	.2596	.2682	.283	.2960	.3156	.3330	.3583	.3862	.4348	.6002	1.0000
RP10/A	.3985	.3821	.4416	.454	.5026	.5237	.5815	.6041	.6356	.7131	.9952	.1.5578		
RP25/A	.3748	.3584	.4274	.4598	.5046	.5251	.5771	.6020	.6270	.7121	.9721	.1.2493		
RP50/A	.4348	.5610	.6407	.6617	.6872	.7141	.7540	.7808	.8411	.8726	.9664	.1.3493	.2.0753	
RP100/A	.4899	.6133	.7241	.7479	.7740	.8016	.8435	.8699	.9372	.9682	.1.0669	.1.4909	.2.3944	
RP1000/A	.6694	.8591	.9939	1.0286	1.0591	1.0834	1.1303	1.1533	1.2344	1.2705	1.3824	1.9355	2.9442	
RP10000/A	.8456	1.01818	1.2629	1.3043	1.3307	1.3571	1.4072	1.4263	1.5371	1.5584	1.6866	2.3357	3.5729	
RPMP/A	1.3410	2.0285	2.3160	2.3920	2.3007	2.6140	2.7816	2.8903	3.1156	3.2376	3.5719	5.0206	7.2400	

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
8SN ORDER SUB 0 PAUBA RANCH 1060 16 085 02W S 33°49.0 117.083 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.20	2.69	2.78	2.92	3.12	3.34	3.58	3.87	4.26	4.50	5.46	7.26	11.32
5	3.36	4.16	4.36	4.56	4.86	5.10	5.52	5.91	6.51	6.79	8.08	10.83	16.03
10	4.17	5.18	5.47	5.74	6.07	6.43	6.82	7.25	7.99	8.26	9.74	13.09	19.06
20	4.96	6.15	6.55	6.87	7.23	7.62	8.05	8.50	9.37	9.63	11.27	15.17	21.87
50	5.21	6.49	6.89	7.28	7.60	7.99	8.43	8.84	9.70	10.05	11.74	15.94	22.75
100	5.70	7.10	7.69	8.18	8.56	8.97	9.41	9.80	10.77	11.20	12.71	15.14	23.17
200	6.98	7.41	7.94	8.33	8.72	9.13	9.60	10.08	11.11	11.34	13.16	17.75	23.39
500	8.73	9.33	9.87	9.1	9.62	10.25	10.74	11.23	12.36	12.80	14.53	19.61	27.94
1000	9.20	11.34	12.34	12.95	13.39	13.86	14.39	14.90	16.42	16.51	18.83	25.46	36.02
10000	11.62	14.28	15.64	16.42	16.88	17.36	17.92	18.40	20.30	20.56	22.89	30.99	43.71
PMP	21.18	26.76	28.68	30.11	31.72	33.43	35.42	37.32	41.14	42.08	46.85	66.04	86.97

MEAN	A	2.510	3.070	3.216	3.376	3.568	3.768	4.018	4.299	4.732	4.942	5.923	7.895	12.233
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.791	.758	.559	.449	.335	.396	.514	.620	.494	.313	.329	.1.292	.794	
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100	
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100	

KURTOSIS	5.773	3.364	2.974	2.875	2.802	3.167	2.968	3.589	3.399	3.399	3.298	3.103	4.073	3.695
N	19	19	19	19	19	19	19	19	19	19	19	19	19	19
RECORD YEAR	1963	1963	1963	1972	1969	1972	1969	1966	1966	1969	1969	1966	1969	1958
RECORD MAXIMUM	5.200	5.200	5.200	5.290	5.760	6.820	7.230	7.830	8.760	8.760	10.480	19.280	23.600	
NORMALIZED KX	2.020	1.720	1.959	1.564	1.670	2.110	1.890	2.054	2.054	1.968	1.916	2.850	2.187	
CALC. COEF. VAR	.526	.401	.376	.362	.365	.380	.423	.406	.409	.393	.402	.505	.425	
REGN. COEF. VAR	.494	.513	.526	.528	.526	.526	.521	.515	.511	.501	.481	.481	.416	
USED COEF. VAR	.494	.513	.526	.528	.526	.526	.521	.512	.513	.501	.481	.481	.416	

MEAN	A	.2059	.2509	.2629	.2759	.2917	.3095	.3285	.3515	.3868	.4040	.4541	.6454	1.0000
RP10/A	.3410	.4232	.4633	.466	.4942	.5202	.5724	.6252	.6754	.6754	.7083	.1.072	.1.5578	
RP25/A	.3249	.4033	.4591	.469	.5035	.5653	.6093	.6721	.7208	.7208	.7598	.1.207	.1.8593	
RP50/A	.4085	.6555	.6847	.6869	.7129	.7467	.7848	.8241	.9079	.9272	.9761	.1.4510	.1.9753	
RP100/A	.5504	.6913	.7331	.7656	.8026	.8380	.8780	.9182	.1.0117	.1.0287	.1.1800	.1.0302	.2.8480	
RP1000/A	.7520	.9273	1.0083	1.0545	1.0964	1.1327	1.1760	1.2179	1.3422	1.3499	1.5593	2.0013	2.9442	
RP10000/A	.9500	1.1670	1.2708	1.3422	1.3798	1.4190	1.4646	1.4951	1.4951	1.4951	1.4951	1.4951	2.5331	3.9729
RPMP/A	1.7312	2.1898	2.3446	2.4014	2.5929	2.7321	2.9595	3.0507	3.343	3.4400	3.9773	5.3988	7.2400	

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER 598 TEMECULA SOF 1020 12 085 03W 5 33.497 117.149 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION O-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.36	3.18	3.45	3.69	4.01	4.22	4.52	4.88	5.32	5.62	6.73	9.06	13.36
5	3.60	4.91	5.40	5.79	6.25	6.54	6.98	7.45	8.13	8.49	9.97	13.52	16.91
10	4.48	6.12	6.78	7.26	7.80	8.12	8.62	9.14	9.97	10.33	12.02	16.34	22.49
20	5.32	7.27	6.11	8.69	9.29	9.62	10.16	10.72	11.70	12.04	13.91	18.93	25.81
25	5.59	7.63	6.93	9.14	9.76	10.09	10.65	11.21	12.24	12.57	14.49	19.73	26.84
40	6.15	8.39	9.41	10.08	10.74	11.07	11.65	12.23	13.35	12.83	15.69	21.38	27.34
50	6.41	8.72	9.80	10.53	11.20	11.53	12.18	12.82	13.87	14.18	16.43	22.15	29.96
100	7.23	9.84	11.11	11.90	12.82	12.58	13.57	14.16	15.46	16.91	17.93	24.47	32.97
200	9.03	12.93	12.17	13.26	14.21	13.34	14.98	15.58	17.01	17.25	19.57	23.73	35.90
1000	9.87	13.40	15.27	16.37	17.21	17.50	18.18	18.78	20.51	20.64	23.24	31.77	42.50
10000	12.47	16.87	19.37	20.75	21.69	21.92	22.63	23.21	25.35	25.32	28.25	30.67	51.57
PMP	22.73	31.63	35.52	38.06	40.76	42.22	44.74	47.04	51.39	52.61	60.04	82.41	104.51

MEAN	2.703	3.626	3.982	4.257	4.585	4.702	5.075	5.419	5.911	6.178	7.308	9.852	14.435
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.719	1.832	1.955	1.617	.687	.590	.537	.436	.426	.321	.681	2.050	1.377
REGIONAL SKEW	1.000	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.000	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	3.052	3.139	4.026	3.007	3.185	3.059	3.157	3.311	4.439	4.047	4.787	9.162	5.398
N	19	19	19	19	19	19	19	19	19	19	19	19	20
RECORD YEAR	1966	1970	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.440	6.030	6.050	8.570	9.190	9.380	10.430	10.630	13.040	13.250	15.920	28.560	33.350
NORMALIZED MAX	1.461	1.802	2.305	2.101	2.084	2.059	2.237	2.244	2.583	2.487	2.646	3.301	2.818
CALC. COEF. VAR	.440	.491	.494	.480	.462	.467	.472	.445	.467	.460	.445	.575	.465
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1873	.2512	.2759	.2956	.3177	.3313	.3516	.3755	.4095	.4280	.5063	.6825	1.0000
RP10/A	.3102	.4236	.4695	.5030	.5405	.5624	.5969	.6331	.6911	.7156	.8228	1.1317	1.5578
RP25/A	.3873	.5288	.5399	.5332	.5626	.6392	.7378	.7768	.8480	.8710	1.0038	1.3870	1.8593
RP50/A	.4444	.6080	.6805	.7294	.7761	.7991	.8401	.8803	.9112	.9223	1.1254	1.5320	2.0753
RP100/A	.4947	.6507	.7144	.7424	.8724	.9198	.9584	.9843	1.0710	1.1402	1.4094	1.6698	2.0000
RP1000/A	.6841	.9282	1.0582	1.1339	1.1928	1.2123	1.2594	1.3010	1.4209	1.4302	1.6698	2.2000	2.9442
RP10000/A	.8642	1.1687	1.3419	1.3776	1.5028	1.5186	1.5679	1.6081	1.7563	1.7543	1.9871	2.6787	3.5729
PMP/A	1.5749	2.1915	2.4608	2.6367	2.8241	2.9250	3.0994	3.2589	3.5604	3.6447	4.1594	6.7091	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER 598 WILDMAR 193 1260 33.603 117.275 33

## MAXIMUM PRECIPITATION FOR INDICATED DURATION O-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.52	3.10	3.39	3.59	3.75	3.96	4.14	4.48	4.86	5.26	6.12	8.13	12.27
5	3.84	4.79	5.31	5.63	5.86	6.14	6.40	6.85	7.43	7.93	9.07	12.13	17.37
10	4.78	5.96	6.86	7.06	7.31	7.62	7.90	8.40	9.12	9.66	10.93	14.66	20.66
20	5.63	7.09	7.97	8.45	8.71	9.05	9.32	9.85	10.70	11.26	12.64	16.99	23.71
25	5.95	7.44	8.39	8.89	9.15	9.48	9.76	10.31	11.19	11.70	13.17	17.71	24.66
40	6.56	8.18	9.26	9.80	10.07	10.40	10.68	11.24	12.21	12.00	14.24	19.18	25.12
50	6.84	8.53	9.66	10.24	10.56	10.83	11.12	11.60	12.26	12.60	14.74	19.37	27.52
100	9.20	11.00	12.87	13.71	14.26	15.02	15.91	17.32	19.13	19.30	21.30	29.96	36.29
200	8.56	10.66	12.17	12.89	13.13	13.47	13.73	14.32	15.55	16.12	17.79	23.98	32.98
1000	10.53	13.07	15.02	15.91	16.13	16.44	16.66	17.26	18.75	19.30	21.13	26.51	39.04
10000	13.10	16.45	19.05	20.19	20.33	20.59	20.75	21.34	23.18	23.69	25.68	34.69	47.38
PMP	24.24	30.86	34.93	37.00	38.20	39.66	41.01	43.24	46.98	49.19	54.58	73.94	96.01

MEAN	2.863	3.537	3.916	4.148	4.297	4.491	4.652	4.982	5.404	5.777	6.644	8.840	13.261
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.557	1.285	1.503	1.318	1.283	1.202	1.103	1.036	1.082	1.022	1.067	1.369	.986
REGIONAL SKEW	1.000	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.000	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	5.924	4.575	5.026	4.272	4.176	3.657	3.582	3.488	3.712	3.660	3.719	4.936	3.398
N	60	60	60	60	60	60	60	60	60	60	60	60	60
RECORD YEAR	1943	1943	1938	1938	1938	1922	1922	1916	1916	1916	1916	1989	1989
RECORD MAXIMUM	6.900	6.650	11.040	11.040	11.040	11.460	12.850	14.240	15.090	17.750	26.690	30.030	
NORMALIZED MAX	2.613	2.622	2.964	2.775	2.699	2.488	2.513	2.748	2.708	2.691	2.926	3.441	2.690
CALC. COEF. VAR	.533	.551	.614	.599	.582	.586	.592	.575	.596	.585	.571	.587	.470
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.2174	.2667	.2953	.3128	.3240	.3387	.3508	.3757	.4075	.4356	.5010	.6666	1.0000
RP10/A	.3601	.4498	.5025	.5233	.5513	.5750	.5956	.6335	.6977	.7203	.8241	1.1053	1.5578
RP25/A	.4498	.5614	.6326	.6709	.7148	.7361	.7772	.8438	.8865	.9933	1.3351	1.8593	
RP50/A	.5159	.6434	.7287	.7719	.7916	.8170	.8382	.8754	.9054	.9933	1.1133	1.4840	2.0533
RP100/A	.6941	.9145	.1027	.1109	.1261	.1239	.1265	.13018	.14559	.14793	1.5930	2.1495	2.6442
RP1000/A	1.0032	1.2406	1.4344	1.5214	1.5330	1.5528	1.5644	1.6091	1.7479	1.7855	1.9366	2.6162	3.5729
PMP/A	1.8281	2.3200	2.6341	2.7901	2.8800	2.9904	3.0924	3.2609	3.5429	3.7094	4.1160	5.579	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 203 2958 0 FALLBROOK 660 25 095 04W K 5 33°36' 117°24' 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.76	2.96	3.09	3.23	3.42	3.70	4.02	4.47	4.95	6.00	8.24	13.48
5	3.26	4.26	4.64	4.84	5.03	5.30	5.72	6.15	6.82	7.44	8.89	12.30	19.08
10	4.05	5.31	5.62	6.08	6.28	6.58	7.05	7.54	8.08	9.09	10.72	14.86	22.69
20	4.84	6.10	6.51	6.84	7.17	7.58	8.10	8.63	9.23	10.09	12.59	17.65	25.55
40	5.86	7.28	8.09	8.44	8.65	8.97	9.95	10.49	11.22	11.29	13.99	19.45	27.60
50	5.80	7.59	8.64	8.81	9.02	9.35	9.94	10.48	11.61	12.47	14.49	20.15	30.23
100	6.54	8.54	9.54	9.98	10.16	10.49	11.12	11.68	12.99	13.84	16.00	22.26	33.27
200	7.26	9.48	10.63	11.09	11.28	11.62	12.27	12.85	14.30	15.17	17.46	24.31	36.23
1000	8.93	11.82	13.13	13.73	13.85	14.16	14.90	15.46	17.20	18.16	20.73	26.80	42.69
10,000	11.28	14.64	16.44	17.37	17.48	17.76	18.35	19.14	21.31	22.27	25.20	35.17	52.05
PMP	20.56	27.45	30.52	31.85	32.82	34.21	36.66	36.79	43.19	46.27	53.55	74.97	105.47

MEAN	2.445	3.146	3.422	3.571	3.692	3.874	4.159	4.469	4.968	5.434	6.519	8.962	14.568
CLOCK HR. COR.	1.150	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.333	1.535	1.747	2.012	1.688	1.637	1.404	1.268	1.831	1.657	1.770	1.352	1.886
REGIONAL SKEW	1.600	1.800	1.800	1.800	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.800	1.900	1.400	1.300	1.200	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	4.712	6.039	5.776	8.082	7.406	6.396	5.179	4.231	3.454	3.585	3.201	5.618	7.615
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1957	1961	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1941
RECORD MAXIMUM	5,000	8,200	8,000	9,000	9,000	9,000	9,000	9,000	9,000	11,200	12,730	23,500	40,200
NORMALIZED MAX	2,250	2,988	3,026	3,476	3,424	3,274	2,871	2,000	2,623	2,138	3,016	3,851	
CALC., COEF. VAR	.462	.538	.509	.502	.483	.467	.472	.459	.434	.439	.446	.537	.497
REGN., COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.513	.526	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1678	.2189	.2349	.2451	.2524	.2650	.2855	.3068	.3410	.3720	.4475	.6152	1.0000
RP10/A	.2780	.3642	.3997	.4171	.4311	.4515	.4847	.5173	.5755	.6236	.7380	.9201	.5578
RP25/A	.3472	.4546	.5032	.5250	.5394	.5613	.5991	.6347	.7062	.7592	.8872	.12322	.18593
RP50/A	.3983	.5210	.5797	.6048	.6191	.6415	.6821	.7193	.8004	.8561	.9947	.13931	.20753
RP100/A	.4467	.5863	.6551	.6836	.6973	.7201	.7631	.8015	.8920	.9499	.1,0981	.1,5282	.2,8400
RP1000/A	.6131	.7906	.9010	.9402	.9510	.9732	.1,0226	.1,0630	.1,1833	.1,2465	.1,6428	.1,9839	.2,9442
RP10000/A	.7746	1.0047	1.1426	1.1922	1.1988	1.2191	1.2731	1.3140	1.4628	1.5289	1.7597	2.4146	3.5729
PMP/A	1.4115	1.8841	2.0593	2.1864	2.2528	2.3402	2.3166	2.6628	2.9551	3.1764	3.3762	3.1461	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 203 3914 0 HENSHAW DAM 329 2700 10 115 02E 5 33°23' 116°76' 90

## MAXIMUM PRECIPITATION FOR INDIATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.62	4.67	5.11	5.54	5.83	6.22	6.76	7.25	8.21	9.04	10.45	14.26	23.75
5	5.53	7.22	8.01	8.68	9.10	9.65	10.44	11.08	12.55	13.65	15.34	18.57	21.28
10	6.87	8.80	10.05	10.81	11.36	11.77	12.90	13.71	15.34	16.62	18.55	22.59	39.79
20	8.57	10.21	12.06	13.03	13.45	14.01	14.89	15.93	17.96	19.77	21.59	25.01	38.89
40	9.43	12.33	13.94	15.13	15.64	16.33	17.44	18.18	20.61	21.64	24.34	31.07	47.73
50	9.84	12.85	14.57	15.80	16.31	17.01	18.15	18.89	21.61	22.81	25.21	34.07	53.27
100	11.08	14.46	16.47	17.85	18.37	19.09	20.30	21.05	23.88	25.31	27.63	38.53	56.63
200	12.31	16.05	18.35	19.69	20.41	21.14	22.42	23.16	26.25	27.74	30.47	42.08	63.85
1000	15.14	19.50	22.44	24.58	26.01	28.21	30.23	31.65	33.21	34.83	36.95	48.82	75.57
PMP	34.95	44.48	52.67	57.10	59.36	62.26	66.96	69.93	79.31	84.63	93.16	129.76	195.84

MEAN/A	4.144	5.327	5.905	6.402	6.677	7.051	7.596	8.057	9.121	9.939	11.340	15.512	25.669
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.401	2.227	2.564	2.535	2.420	2.334	2.101	1.985	1.927	1.948	1.781	1.152	.958
REGIONAL SKEW	1.600	1.800	1.800	1.800	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.800	1.800	1.800	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	10.500	9.939	11.889	11.889	10.628	10.370	9.728	7.443	7.420	6.947	4.054	3.142	
N	63	63	63	63	63	63	63	63	63	63	63	63	62
RECORD YEAR	1957	1927	1927	1927	1927	1927	1927	1910	1910	1910	1910	1910	1922
RECORD MAXIMUM	14,000	10,920	23,170	25,170	25,170	26,170	26,170	30,240	32,240	34,520	30,240	51,000	
NORMALIZED MAX	3,988	4,230	4,634	4,762	4,659	4,392	4,095	3,820	3,931	3,828	3,060	2,499	
CALC., COEF. VAR	.630	.604	.628	.623	.615	.574	.576	.567	.590	.577	.534	.396	
REGN., COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.513	.526	.528	.522	.521	.512	.513	.501	.481	.491	.416	

MEAN/A	.1615	.2075	.2300	.2494	.2601	.2747	.2959	.3139	.3553	.3072	.4418	.6043	1.0000
RP10/A	.2675	.3500	.3915	.4244	.4425	.4664	.5024	.5293	.5997	.6473	.7266	1.0020	1.5578
RP25/A	.3340	.4369	.4927	.5342	.5537	.5790	.6209	.6493	.7359	.7879	.8758	1.2104	1.6593
RP50/A	.3031	.5007	.5677	.6154	.6384	.6627	.7070	.7359	.8341	.8866	.9819	1.3905	2.0753
RP100/A	.4317	.8638	.6415	.6955	.7186	.7438	.7910	.8200	.9295	.9860	.1,0640	.1,5011	2,9440
RP1000/A	.5098	.7665	.8024	.9566	.9762	.1,0053	.1,0595	.1,0878	.1,2331	.1,2938	.1,4046	.1,9487	2,9442
RP10000/A	.7451	.9856	1.1189	1.2130	1.2305	1.2593	1.3190	1.3443	1.5243	1.5870	.1,7075	2.7378	3.5729
PMP/A	1,3578	1,6100	2,0510	2,2245	2,3124	2,4256	2,6685	2,7242	3,0679	3,2971	3,6291	5,0549	7,2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT OPENDABLE

## PRECIPITATION DEPTH=DURATION= FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
203 9447 0

STATION NAME  
WARNER SPRINGS

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
3180 25 105 03E 0 S 33°28' 116°43' 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.03	2.67	2.95	3.13	3.35	3.58	3.93	4.22	4.81	5.32	6.21	8.36	15.26
5	3.10	4.14	4.82	4.99	5.23	5.55	6.06	6.44	7.35	8.03	9.20	12.47	21.61
10	4.55	5.15	5.80	6.15	6.43	6.79	7.68	8.09	9.31	10.11	11.53	15.77	25.59
20	4.98	6.12	6.93	7.36	7.77	8.17	8.83	9.27	10.57	11.39	12.84	17.47	26.49
25	4.81	6.42	7.73	7.74	8.16	8.57	9.25	9.70	11.06	11.90	13.38	18.21	30.67
40	5.29	7.06	8.05	8.54	8.98	9.40	10.12	10.58	12.06	12.14	14.48	19.73	31.25
50	5.52	7.36	8.40	8.92	9.37	9.79	10.53	10.99	12.53	13.42	15.00	20.44	34.23
100	6.22	8.28	9.50	10.08	10.55	10.99	11.78	12.24	13.97	14.86	16.56	22.58	37.67
200	6.91	9.19	10.58	11.23	11.72	12.17	13.01	13.47	15.37	16.32	18.07	24.66	41.03
1000	8.50	11.27	12.80	13.43	14.37	14.85	15.79	16.24	18.53	19.53	21.45	29.32	44.56
10000	10.71	14.19	15.57	17.59	18.14	18.61	19.66	20.41	22.91	23.96	26.08	35.68	56.73
PMP	19.56	26.02	30.38	32.25	34.10	35.85	38.86	40.68	46.43	49.77	55.42	76.05	119.42
MEAN	2.326	3.051	3.406	3.818	3.835	4.060	4.408	4.686	5.340	5.846	6.747	9.091	16.494
CLOCK HR, CDR	1.125	1.070	1.030	1.029	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030
CALCULATED SKW	1.122	1.070	1.030	1.029	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030
REGIONAL SKW	1.400	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.000	1.000	1.000	1.000	1.000
SKW USED	1.400	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.543	5.247	7.145	7.823	7.444	6.939	10.903	11.251	9.812	9.903	7.720	5.526	4.132
N	67	67	67	67	67	67	67	67	67	67	67	67	70
RECORD YEAR	1941	1927	1927	1927	1925	1925	1929	1929	1922	1922	1922	1922	1922
RECORD MAXIMUM	5,960	8,040	9,820	10,300	12,200	12,600	17,400	19,380	19,600	21,000	21,860	26,000	38,200
NORMALIZED MAX	2,950	3,169	3,497	3,471	3,732	3,529	4,813	4,888	4,446	4,458	4,092	3,663	3,387
CALC. COEF. VAR	.530	.521	.539	.567	.582	.565	.601	.598	.612	.615	.547	.498	.389
REGN. COEF. VAR	.494	.515	.528	.528	.526	.521	.512	.513	.501	.481	.491	.416	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.521	.512	.513	.501	.481	.491	.416	.416
MEAN/A	.1410	.1850	.2065	.2192	.2325	.2462	.2673	.2841	.3237	.3544	.4090	.5512	1.0000
RP10/A	.2326	.3119	.3514	.3730	.3956	.4179	.4537	.4791	.5064	.5295	.6727	.9139	1.5579
RP25/A	.2917	.3893	.4423	.4695	.4950	.5195	.5608	.5878	.6704	.7212	.8109	.1,1040	1.8593
RP50/A	.3347	.4462	.5095	.5409	.5681	.5938	.6386	.6662	.7599	.8133	.9092	.1,2391	2.0753
RP100/A	.3771	.5022	.5759	.6133	.6399	.6665	.7144	.7423	.8468	.9024	.1,0037	.1,3891	2.2840
RP1000/A	.5152	.6834	.7920	.8400	.8727	.9008	.9573	.9846	.1,2334	.1,2334	.1,3005	.1,7774	2.9462
RP10000/A	.6569	.8605	1,0043	1,0662	1,1001	1,1284	1,1918	1,2170	1,3887	1,4525	1,5810	2,1632	3,5729
RP/M/A	1,1860	1,6137	1,9418	1,9553	2,0072	2,1735	2,3560	2,4662	2,8149	3,0177	3,3602	4,6105	7,2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
204 2840 1

STATION NAME  
E RESERVOIR

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
373 752 16 115 03W 5 33°21' 117°21' 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.88	2.27	2.44	2.54	2.67	2.83	2.95	3.33	3.70	4.10	4.94	6.86	11.85
5	2.87	3.51	3.82	3.98	4.17	4.38	4.55	5.09	5.66	6.13	7.12	10.76	16.76
10	3.57	4.37	4.79	4.99	5.20	5.44	5.62	6.14	6.74	7.35	8.83	12.37	19.95
20	4.26	5.20	5.73	5.97	6.19	6.49	6.79	7.33	8.14	8.78	10.21	14.34	22.50
25	4.66	5.40	6.03	6.28	6.51	6.76	6.95	7.67	8.51	9.17	10.64	14.95	25.82
40	4.90	6.00	6.65	6.93	7.16	7.42	7.61	8.36	9.29	9.36	11.52	16.20	24.26
50	5.11	6.25	6.94	7.24	7.47	7.72	7.91	8.69	9.65	10.34	11.93	16.78	26.58
100	5.76	7.04	7.84	8.18	8.41	8.67	8.85	9.68	10.75	11.48	13.17	18.54	29.25
200	6.40	7.81	8.74	9.11	9.33	9.60	9.77	10.65	11.83	12.58	14.37	20.25	31.86
400	7.87	9.58	10.79	11.25	11.47	11.72	11.86	12.89	14.28	15.06	17.04	24.76	37.11
1000	9.94	12.06	13.88	14.27	14.46	14.88	14.97	15.84	17.63	18.47	20.74	29.29	45.76
PMP	18.12	22.62	25.05	26.17	27.17	28.27	29.20	32.10	35.74	38.38	44.08	62.43	92.73
MEAN	2.154	2.592	2.813	2.934	3.057	3.202	3.312	3.705	4.111	4.507	5.366	7.463	12.808
CLOCK HR, CDR	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.752	.304	.032	.236	.360	.416	.358	.378	.360	.198	.031	.679	.1.112
REGIONAL SKW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	3.962	2.865	2.265	2.788	2.930	2.780	2.602	2.438	2.488	2.314	2.760	3.206	4.521
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1941	1941	1941	1938	1938	1938	1938	1938	1938	1938	1938	1938	1937
RECORD MAXIMUM	3,420	4,380	4,345	5,070	5,200	5,200	5,920	6,400	7,100	7,800	9,570	14,930	26,470
NORMALIZED MAX	2,020	1,632	1,505	2,156	2,335	2,248	2,102	1,881	2,037	1,737	1,986	2,304	2,573
CALC. COEF. VAR	.383	.376	.370	.382	.370	.370	.375	.387	.396	.382	.395	.434	.414
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.512	.513	.501	.481	.491	.416	.416
MEAN/A	.1682	.2024	.2196	.2291	.2386	.2390	.2586	.2893	.3209	.3519	.4189	.5826	1.0000
RP10/A	.2766	.3413	.3737	.3898	.4050	.4244	.4379	.4878	.5416	.5883	.6890	.9661	1.5576
RP25/A	.3479	.4260	.4704	.4906	.5080	.5276	.5426	.5984	.6646	.7160	.8306	1,1670	1.8593
RP50/A	.3991	.4863	.5419	.5652	.5830	.6031	.6179	.6762	.7533	.8075	.9312	1.3099	2.0753
RP100/A	.4497	.5495	.6125	.6388	.6567	.6769	.6912	.7557	.8394	.8960	1,0280	1,4473	2.2840
RP1000/A	.6144	.7478	.8242	.8786	.8955	.9149	.9262	1,0024	1,1336	1,1757	1,3320	1,8789	2.9442
RP10000/A	.7762	.9416	1,0462	1,1141	1,1289	1,1461	1,1532	1,2390	1,3767	1,4422	1,6193	2,2848	3.5729
RP/M/A	1,1415	1,7657	1,9589	2,0431	2,1214	2,2074	2,2795	2,5108	2,7905	2,9962	3,4416	4,8739	7,2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER 508  
204 2662 0 ESCONDO ID 1 960 22 125 02W S 33.117 117.083 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.10	2.70	2.99	3.23	3.45	3.66	3.93	4.28	4.91	5.40	6.39	8.62	14.71
5	3.20	4.17	4.69	5.07	5.38	5.67	6.06	6.53	7.51	8.27	9.46	12.66	20.83
10	3.98	5.19	5.88	6.36	6.71	7.04	7.49	8.01	9.21	10.07	11.41	15.54	24.77
20	4.73	5.82	7.03	7.51	8.04	8.34	8.83	9.40	10.81	11.74	13.75	18.00	26.43
40	4.47	5.60	6.70	7.00	8.00	8.75	9.25	9.93	11.26	12.26	13.75	18.47	29.57
50	5.46	7.12	8.16	8.93	9.24	9.75	10.13	11.72	12.33	12.81	13.89	20.34	31.13
100	6.42	8.35	9.63	10.42	10.86	11.23	11.79	12.41	14.28	15.34	17.02	23.29	36.32
200	7.13	9.27	10.73	11.61	12.06	12.44	13.01	13.65	15.71	16.81	18.58	25.42	39.56
1000	8.77	11.37	13.25	14.33	14.81	15.18	15.79	16.46	18.94	20.13	22.06	30.22	46.82
10000	11.08	14.32	16.80	18.17	18.67	19.02	19.66	20.35	23.42	24.69	26.81	36.78	56.82
PMP	20.19	26.84	30.82	33.33	35.08	36.53	36.87	41.24	47.47	51.29	56.99	76.38	115.14

MEAN	2.400	3.077	3.455	3.736	3.946	4.148	4.409	4.751	5.499	6.024	6.937	9.370	15.903
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.718	1.454	1.653	1.752	1.588	1.535	1.402	1.355	1.722	1.673	1.519	1.098	1.250
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.100
SKEW USED	1.500	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.100

KURTOSIS	6.683	5.266	6.197	6.596	5.918	5.775	5.477	4.923	7.297	7.169	6.765	4.696	5.597
RECORD MAXIMUM	71	71	71	71	71	71	71	71	71	71	71	71	71
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1916	1916	1916	1916	1937
NORMALIZED MAX	6.620	8.330	10.640	11.350	11.600	12.300	17.640	18.900	20.900	23.170	40.880		
S3.39	3.647	3.368	3.773	3.658	3.658	3.710	3.286	4.222	4.262	4.270	3.321	3.950	
CALC. COEF. VAR	.531	.515	.529	.527	.514	.502	.482	.487	.528	.504	.479	.444	.397
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.522	.522	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.522	.522	.513	.501	.481	.491	.416

MEAN/A	.1509	.1938	.2172	.2340	.2481	.2606	.2772	.2965	.3433	.3768	.4592	.5092	1.0000
RP10/A	.1500	.1663	.1597	.1998	.4221	.4240	.4767	.5036	.5793	.6033	.7174	.9770	1.5578
RP25/A	.3122	.4763	.4553	.5032	.5282	.5509	.5818	.6181	.7109	.7768	.8648	.1801	1.0000
RP50/A	.3582	.4668	.5360	.5797	.6052	.6292	.6705	.6858	.8693	.9693	.13240	.17573	
RP100/A	.4039	.5253	.6058	.6552	.6828	.7042	.7411	.7805	.8979	.9645	.1.0704	.1.4633	2.2840
RP1000/A	.5514	.7149	.8333	.9012	.9312	.9545	.9930	1.0353	1.1912	1.2657	1.3809	1.9000	2.9462
RP10000/A	.6966	.9002	1.0566	1.1427	1.1739	1.1957	1.2303	1.2797	1.4725	1.5525	1.6800	2.3125	3.5729
PMP/A	1.2694	1.6880	1.9377	2.0556	2.2059	2.3030	2.4439	2.5933	2.9847	3.2253	3.5584	4.9289	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT 8WM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER 508  
204 4720 0 LAKE WOMLFORD 1500 32 115 01W J 5 33.175 116.999 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.40	3.12	3.39	3.62	3.82	4.05	4.30	4.75	5.40	5.96	7.22	9.87	17.06
5	3.65	4.82	5.31	5.67	5.96	6.28	6.64	7.26	8.25	8.99	10.59	14.72	24.15
10	4.54	5.99	6.66	7.11	7.64	7.79	8.20	8.90	9.67	10.44	11.87	12.69	17.00
20	5.40	7.13	7.87	8.50	8.68	9.23	9.67	10.44	11.87	12.76	14.74	20.62	32.96
40	5.97	7.68	8.39	8.75	9.17	9.57	9.90	10.44	11.87	12.76	13.33	15.54	21.50
50	6.24	8.23	9.25	9.87	10.25	10.93	11.00	11.91	13.55	14.60	16.82	23.99	34.27
100	6.51	8.58	9.56	10.31	10.59	11.07	11.54	12.37	14.08	15.03	17.42	24.13	38.25
200	7.33	9.65	10.92	11.65	12.04	12.43	12.91	13.79	15.59	16.66	19.23	24.62	42.10
1000	8.15	10.71	12.17	12.98	13.37	13.76	14.25	15.17	17.26	18.26	20.29	29.12	45.85
10000	10.02	13.13	15.02	16.01	16.80	17.30	17.80	18.29	20.81	21.88	24.92	34.61	54.27
PMP	12.65	16.54	19.05	20.31	20.70	21.04	21.54	22.64	25.73	26.84	30.30	42.12	65.86

MEAN	2.742	3.554	3.916	4.176	4.375	4.590	4.830	5.277	5.998	6.549	7.838	10.732	18.434
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.832	2.067	1.875	2.524	2.246	2.009	1.685	1.417	1.028	.888	.908	1.606	3.176
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.100

KURTOSIS	6.945	8.551	7.725	11.220	9.743	8.497	6.875	5.549	3.678	3.145	3.031	5.812	14.99
RECORD N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1949	1949	1949
RECORD MAXIMUM	6.900	10.400	11.400	13.900	13.900	13.900	13.900	13.900	13.900	13.900	16.290	35.280	73.170
NORMALIZED MAX	2.595	3.078	3.110	3.568	3.350	3.339	3.172	2.967	2.423	2.129	2.036	2.977	3.950
CALC. COEF. VAR	.591	.636	.611	.554	.467	.406	.350	.282	.225	.159	.059	.527	.752
REGN. COEF. VAR	.494	.515	.528	.528	.522	.522	.522	.522	.522	.522	.501	.611	.416
USED COEF. VAR	.494	.515	.528	.528	.522	.522	.522	.522	.522	.522	.501	.611	.416

MEAN/A	.1488	.1928	.2124	.2246	.2373	.2499	.2520	.2863	.3254	.3553	.4252	.5822	1.0000
Rp10/A	.2464	.3252	.3618	.3858	.4038	.4227	.4440	.4828	.5491	.5940	.6994	.9054	1.5578
RP25/A	.3077	.4059	.4550	.4853	.5052	.5256	.5498	.5923	.6730	.7230	.8430	.11461	.15953
RP50/A	.3530	.4652	.5242	.5591	.5708	.6007	.6260	.6712	.7637	.8154	.9451	.13089	2.0753
RP100/A	.3977	.5235	.5924	.6319	.6531	.6742	.7004	.7479	.8041	.8647	.9463	.14463	2.9442
RP1000/A	.5435	.7125	.8148	.8691	.8907	.9112	.9385	.9920	.1.1290	.1.1871	.1.3519	.1.8775	3.5729
RP10000/A	.8668	.8971	1.0322	1.1020	1.1226	1.1415	1.1848	1.2262	1.3397	1.4561	1.6436	2.2851	3.5729
PMP/A	1.2511	1.6623	1.894	2.0210	2.1100	2.1987	2.3097	2.4855	2.8291	3.0252	3.4931	4.8702	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 348 320 10 135 02W S 33°05'00" 117°13'30" COOE  
205 401A 0 HODGES RES

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.93	2.34	2.52	2.73	2.96	3.13	3.36	3.74	4.10	4.54	5.49	7.66	13.24
5	2.94	3.63	3.94	4.28	4.62	4.85	5.18	5.72	6.26	6.85	8.12	11.43	18.75
10	3.65	4.51	4.95	5.36	5.76	6.02	6.40	7.01	7.68	8.34	9.79	13.81	22.30
20	4.34	5.36	5.92	6.42	6.86	7.13	7.55	8.22	9.01	9.76	11.33	18.20	25.57
25	4.55	5.53	6.21	6.71	7.14	7.51	7.91	8.59	9.33	10.11	11.81	18.58	26.61
40	5.01	6.19	6.87	7.45	7.93	8.21	8.66	9.38	10.28	10.36	12.78	18.08	27.12
50	5.29	6.45	7.17	7.78	8.27	8.55	9.01	9.75	10.68	11.45	13.24	18.73	29.71
100	5.69	7.26	8.11	8.79	9.32	9.60	10.08	10.85	11.91	12.71	14.61	20.69	32.69
200	6.55	8.05	9.03	9.79	10.35	10.63	11.13	11.95	13.10	13.93	15.95	22.60	35.60
1000	8.05	9.88	11.15	12.09	12.71	12.97	13.51	14.41	15.79	16.67	18.93	26.86	42.14
10000	10.17	12.44	14.14	15.33	16.02	16.25	16.82	17.81	19.52	20.45	23.02	32.69	51.14
PMP	18.53	23.33	25.93	28.12	30.11	31.30	33.24	36.09	39.57	42.49	46.92	69.68	103.63

MEAN	2.203	2.674	2.907	3.152	3.386	3.544	3.771	4.158	4.551	4.990	5.955	8.330	14.314
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.214	1.048	.735	1.115	1.127	1.030	.793	.572	.490	.501	.532	.720	1.273
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	4.685	4.085	3.997	4.966	4.690	4.623	3.811	3.365	3.230	3.104	2.980	3.372	5.523
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1937	1937	1937	1938	1938	1938	1938	1938	1937	1937	1937	1937	1937
RECORD MAXIMUM	4.300	5.580	5.630	7.070	7.500	7.710	7.860	8.060	8.880	9.340	11.350	17.500	32.920
NORMALIZED MAX	2.405	2.734	2.376	3.192	3.097	3.057	2.805	2.465	2.590	2.355	2.100	2.590	3.390
CALC. COEF. VAR	.398	.397	.398	.398	.398	.398	.398	.398	.398	.398	.398	.398	.398
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN	1.539	.1868	.2031	.2202	.2366	.2476	.2635	.2908	.3180	.3466	.4100	.5810	1.0000
RP10/A	.2549	.3151	.3456	.3744	.4025	.4204	.4573	.4886	.5266	.5892	.6842	.9449	1.0778
RP20/A	.3184	.3840	.4147	.4476	.4756	.5039	.5379	.5858	.6194	.6828	.8155	.8593	
RP50/A	.4052	.4508	.5011	.5434	.5780	.5973	.6295	.6811	.7464	.8000	.9247	.13082	2.0753
RP100/A	.4115	.5073	.5663	.6141	.6510	.6705	.7042	.7589	.8317	.8897	.1.0209	.1.0455	.2.8840
RP1000/A	.5622	.6904	.7789	.8447	.8879	.9062	.9437	1.0064	1.1034	1.1648	1.3227	1.8765	2.9442
RP10000/A	.7103	.8693	.9877	.1.0711	1.1192	1.1352	1.1749	1.2442	1.3640	1.4287	1.5689	1.8393	3.5729
PMP/A	1.2943	1.6302	1.8114	1.9643	2.1032	2.1865	2.3224	2.5213	2.7648	2.9683	3.1176	4.8677	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 396 250 16 135 03W S 33°03'00" 117°20'00" %0  
205 7744 1 SAN OIEQUITO RES

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.88	2.29	2.51	2.70	2.87	3.07	3.27	3.57	3.93	4.26	5.16	6.97	12.09
5	2.87	3.54	3.93	4.22	4.48	4.75	5.05	5.45	6.01	6.43	7.64	10.39	17.12
10	3.54	4.41	4.93	5.30	5.58	5.90	6.26	6.69	7.37	7.82	9.21	12.50	20.36
20	4.24	5.24	5.89	6.34	6.65	6.99	7.36	7.84	8.64	9.12	10.65	14.58	23.36
25	4.45	5.56	6.20	6.57	6.99	7.33	7.71	8.20	9.04	9.52	11.04	15.48	24.90
40	4.90	6.08	6.74	7.36	7.69	8.05	8.42	8.90	9.56	9.72	10.44	14.44	24.95
50	5.11	6.31	7.14	7.58	8.02	8.40	8.78	9.30	10.25	10.74	12.45	17.03	27.12
100	5.75	7.10	8.07	8.68	9.03	9.41	9.82	10.36	11.42	11.92	13.74	18.82	29.84
200	6.39	7.88	8.99	9.67	10.03	10.42	10.84	11.40	12.56	13.06	14.99	20.52	32.80
1000	7.85	9.61	11.11	11.94	12.32	12.71	13.16	13.74	15.15	15.64	17.80	24.43	38.47
10000	9.93	12.17	14.08	15.14	15.53	15.93	16.38	16.99	18.72	19.18	21.64	29.74	46.69
PMP	18.09	22.81	25.82	27.77	28.18	30.67	32.38	34.42	37.95	39.84	46.00	63.38	94.60

MEAN	2.151	2.615	2.895	3.113	3.283	3.474	3.673	3.966	4.365	4.679	5.599	7.577	13.057
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.1552	1.373	1.149	1.016	.907	.847	.638	.398	.355	.170	.366	.468	1.107
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	3.054	.697	.5102	4.482	4.105	4.104	3.638	3.241	3.238	3.034	2.897	2.821	4.430
N	42	42	42	42	42	42	42	42	42	42	42	41	41
RECORD YEAR	1937	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1937	1937
RECORD MAXIMUM	3.430	5.790	6.650	6.870	6.940	7.500	7.590	7.595	8.230	8.370	10.10	14.00	27.00
NORMALIZED MAX	1.730	3.148	3.259	3.093	2.937	3.008	2.946	2.465	2.999	2.855	2.058	2.184	2.886
CALC. COEF. VAR	.342	.386	.398	.390	.379	.385	.379	.371	.369	.350	.391	.406	.391
REGN. COEF. VAR	.494	.515	.528	.526	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.526	.526	.526	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1646	.2001	.2216	.2383	.2512	.2659	.2811	.3035	.3340	.3591	.4285	.5798	1.0000
RP10/A	.2727	.3375	.3770	.4055	.4274	.4514	.4742	.5118	.5337	.5687	.7649	.9614	1.0578
RP20/A	.3408	.4422	.4740	.5074	.5379	.5893	.6210	.6918	.7287	.7495	.1.0493	.1.1614	1.0593
RP50/A	.4828	.5857	.6080	.6137	.6113	.6717	.7116	.7841	.8218	.8495	.1.1303	.2.0753	
RP100/A	.4402	.9434	.6179	.6645	.6913	.7198	.7514	.7929	.8737	.9119	.1.0515	.1.4402	2.8840
RP1000/A	.6015	.7394	.8499	.9140	.9420	.9729	1.0069	1.0517	1.1591	1.1965	.1.3024	.1.8958	2.9442
RP10000/A	.7599	.9310	1.0777	1.1589	1.1865	1.2180	1.2536	1.2999	1.3429	1.4677	1.6552	2.7357	3.5729
PMP/A	1.3846	1.7458	1.9764	2.1254	2.2333	2.3473	2.4781	2.6343	2.9044	3.0493	3.5201	4.8593	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 207 2239 0 CUYAMACA 321 4650 32.983 116.583 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.14	3.68	6.30	6.78	7.25	7.75	8.43	9.09	10.55	11.63	13.63	19.04	34.75
5	6.32	7.79	9.87	10.62	11.31	12.02	13.01	13.89	16.13	17.62	20.19	26.51	49.20
10	7.95	10.93	12.39	13.32	14.11	14.94	16.56	17.03	19.79	21.48	24.24	34.34	59.51
20	9.33	12.99	14.82	15.94	16.81	17.67	18.05	19.97	23.22	25.00	28.15	39.80	67.15
25	9.80	13.64	15.56	16.77	17.61	18.54	19.86	20.89	24.29	26.11	29.34	41.48	69.83
40	10.79	15.00	17.20	18.50	19.43	20.34	22.79	26.50	26.65	31.76	44.95	71.19	
50	11.25	15.64	17.96	19.32	20.26	21.19	22.61	23.68	27.53	29.44	32.89	46.56	77.94
12.67	17.60	20.20	21.93	22.86	23.78	24.60	26.38	30.68	32.67	36.31	51.45	85.78	
200	14.08	18.53	20.24	21.42	22.43	23.47	25.00	29.03	33.35	37.01	49.03	56.19	93.42
1000	17.32	23.93	27.92	30.03	31.13	32.14	33.99	36.94	40.70	42.87	47.05	61.59	110.58
10000	21.68	30.16	35.40	38.07	39.24	40.27	42.20	43.25	50.31	52.88	57.19	81.29	131.19
PMP	39.86	56.55	64.92	69.82	73.74	77.56	83.41	87.65	101.97	109.24	121.51	173.25	271.92
MEAN	4.740	6.481	7.278	7.828	8.295	8.764	9.462	10.098	11.728	12.829	14.797	20.711	37.358
CLOCK MR. CALCULATED SKW	1.140	1.070	1.010	1.020	1.030	1.040	1.050	1.060	1.070	1.080	1.090	1.090	1.000
REGIONAL SKW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	8.669	10.282	8.535	8.318	7.329	7.079	8.248	6.740	5.562	5.381	3.267	3.047	
N	87	97	87	87	87	87	87	87	87	87	87	87	87
RECORD YEAR	1927	1891	1891	1927	1871	1871	1891	1901	1851	1856	1916	1916	1890
RECORD MAXIMUM	12,610	22,400	23,400	25,440	26,350	26,930	31,500	32,500	32,800	36,050	38,890	44,750	71,210
NORMALIZED MAX	3.311	4.383	3.844	4.049	3.972	3.847	4.337	4.140	3.480	3.719	3.652	2.806	2.653
CALC. COEF. VAR	.514	.563	.576	.556	.548	.537	.537	.536	.509	.487	.446	.414	.338
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	+1.252	+1.726	+1.938	+2.084	+2.229	+2.339	+2.519	+2.689	+3.123	+3.416	+3.940	+5.514	+1.0000
RP10/A	.2091	.2911	.3298	.3547	.3798	.3970	.4277	.4834	.5270	.5710	.6480	.9144	.5378
RP25/A	.2610	.3633	.4151	.4464	.4702	.4936	.5287	.5563	.6467	.6751	.7811	.1.1045	.4593
RP50/A	.2995	.4164	.4782	.5143	.5396	.5642	.6020	.6304	.7330	.7839	.8757	.1.2397	.2.0753
RP100/A	.3374	.4605	.5405	.5813	.6078	.6332	.6734	.7024	.8167	.8699	.9658	.1.3698	.2.2840
RP1000/A	.4810	.6377	.7433	.7998	.8289	.8559	.9024	.9317	.1.0353	1.1413	1.2526	1.7783	2.9442
RP10000/A	.5824	.8029	.9426	1.0138	1.0441	1.0721	1.1235	1.1510	1.3394	1.3999	1.5228	2.1643	3.5729
PMP/A	1.0014	1.3057	1.7288	1.8591	1.9033	2.0350	2.2208	2.3338	2.7108	2.9088	3.4128	7.2400	

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BMW LATITUDE LONGITUDE COUNTY  
BSN ORDER SUB 207 2702 0 EL CAJON 500+E 507 460 10 165 01W F S 32.795 116.971 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.91	2.38	2.98	2.75	2.95	3.08	3.32	3.61	3.97	4.33	5.17	6.95	11.68
5	2.91	3.68	4.43	4.31	4.71	4.78	5.92	6.08	6.55	7.66	10.47	16.53	
10	3.62	5.00	5.44	5.05	5.75	5.93	6.32	6.71	7.56	8.26	12.83	19.46	
20	4.34	6.00	6.66	6.04	6.73	7.04	7.94	8.74	9.26	10.58	15.52	23.56	
25	4.52	5.72	6.38	6.80	7.19	7.37	7.82	8.30	9.15	9.69	11.13	15.14	23.46
40	4.97	6.26	7.03	7.50	7.91	8.09	8.95	9.05	9.98	10.93	12.48	16.99	26.19
50	5.18	6.55	7.34	7.83	8.25	8.43	8.90	9.41	10.37	10.93	11.28	14.99	
100	5.84	7.37	8.30	8.85	9.30	9.46	9.96	10.48	11.35	12.13	13.78	18.77	26.62
200	6.49	8.19	9.25	9.86	10.33	10.47	10.99	11.53	12.39	13.29	15.03	20.50	31.39
1000	7.98	10.43	11.42	12.18	12.76	12.78	13.90	15.12	16.51	17.91	20.37	31.73	
10000	10.68	12.63	14.04	15.44	15.98	16.01	16.41	17.04	18.94	19.32	21.70	29.66	45.09
PMP	18.37	23.69	26.39	28.32	30.03	30.84	32.83	34.82	36.40	40.35	44.62	63.21	91.36
MEAN	2.184	2.715	2.976	3.175	3.378	3.493	3.725	4.012	4.416	4.762	5.614	7.537	12.619
CLOCK MR. CALCULATED SKW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKW	1.626	1.797	1.895	1.708	1.602	1.730	1.773	1.452	1.333	1.928	1.685	.848	1.021
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	5.708	7.192	7.991	7.245	7.159	8.072	8.939	7.288	5.326	4.642	4.120	2.979	4.500
N	43	43	43	43	43	43	43	43	43	43	43	42	42
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1921
RECORD MAXIMUM	5.100	7.450	6.020	9.490	9.020	10.420	11.380	11.380	11.640	12.950	15.000	27.430	
NORMALIZED MAX	2.639	3.460	3.791	3.788	3.039	3.981	4.177	3.932	3.946	3.368	3.183	2.341	3.062
CALC. COEF. VAR	.506	.504	.516	.525	.497	.496	.492	.467	.461	.430	.421	.393	
REGN. COEF. VAR	.494	.515	.526	.528	.526	.522	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.512	.513	.501	.481	.491	.416	
MEAN/A	.1731	.2152	.2359	.2516	.2677	.2768	.2952	.3179	.3499	.3774	.4449	.5988	.1.0000
RP10/A	.2067	.3629	.4104	.4292	.4555	.4699	.5011	.5361	.5906	.6309	.7317	.9429	.15370
RP25/A	.3580	.4529	.5052	.5389	.5642	.6194	.6578	.7247	.7679	.8020	.1.1994	.1.0593	
RP50/A	.4107	.5191	.5820	.6209	.6540	.6677	.7053	.7454	.7852	.8660	.9888	.1.3452	.2.0753
RP100/A	.4627	.5842	.6578	.7017	.7367	.7494	.7890	.8036	.9153	.9869	.9161	.1.4873	.2.2840
RP1000/A	.6323	.7950	.9047	.9651	1.0047	1.0129	1.0573	1.1017	1.2669	1.2669	1.2669	1.2669	2.9442
RP10000/A	.7993	1.0081	1.1404	1.2238	1.2666	1.2880	1.3683	1.4516	1.7508	1.8011	1.9461	2.3503	3.2529
PMP/A	1.4358	1.6772	2.0108	2.2443	2.0000	2.4439	2.6020	2.7597	3.0428	3.2133	3.5046	3.0091	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
207 2709 0

STATION NAME  
EL CAPITAN DAM

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
600 07 155 02E 8 S 32.883 116.817 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.06	2.62	2.86	3.00	3.27	3.43	3.74	4.15	4.64	5.08	6.23	8.39	14.62
5	3.15	4.05	4.48	4.71	5.10	5.32	5.77	6.34	7.00	7.67	9.23	12.84	20.71
10	3.91	5.05	5.62	5.80	6.47	6.60	7.13	7.77	8.70	9.34	11.13	15.48	24.82
20	4.61	5.49	6.73	7.08	7.59	7.81	8.41	9.11	10.81	10.89	12.87	17.94	28.26
25	4.88	6.30	7.06	7.43	7.97	8.20	8.81	9.53	10.67	11.37	13.41	18.70	29.39
40	5.37	6.93	7.81	8.20	8.77	9.00	9.64	10.40	11.65	11.61	14.52	20.27	29.94
50	5.60	7.23	8.16	8.56	9.15	9.37	10.03	10.80	12.10	12.82	15.04	20.99	32.80
100	6.31	8.13	9.22	9.67	10.30	10.52	11.22	12.04	13.46	14.23	16.60	23.20	36.10
200	7.01	9.02	10.27	10.78	11.46	11.65	12.39	13.24	14.83	15.67	18.12	25.23	39.31
1000	8.62	11.07	12.88	13.30	14.05	14.22	15.03	15.87	17.69	18.77	21.37	30.11	44.83
10000	10.89	13.93	16.08	16.40	17.71	17.81	18.72	19.73	22.11	22.90	26.15	39.45	56.47
PMP	19.85	26.19	29.49	30.94	33.28	34.31	37.00	39.99	44.82	47.58	55.58	76.12	114.43

MEAN	2.360	2.995	3.306	3.466	3.744	3.885	4.197	4.607	5.154	5.588	6.766	9.338	15.805
CLOCK HRs CORs	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.941	1.425	1.688	2.005	1.760	1.576	1.313	1.160	1.090	1.090	2.122	1.893	1.511
REGIONAL SKW	1.560	1.500	1.600	1.600	1.500	1.500	1.300	1.200	1.200	1.200	1.000	1.000	1.000
SKW USED	1.460	1.500	1.600	1.600	1.500	1.500	1.300	1.200	1.200	1.200	1.000	1.000	1.000

KURTOSIS	7.264	4.619	6.453	8.341	6.959	6.183	4.922	4.532	3.736	3.760	10.081	8.015	6.059
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1938	1938	1957	1970	1967	1967	1957	1957	1957	1957	1957	1957	1957
RECORD MAXIMUM	5.410	6.120	6.460	6.900	6.040	6.040	5.940	5.640	5.100	11.260	12.260	18.800	36.170
NORMALIZED MAX	2.887	2.292	3.184	3.434	3.456	3.300	2.966	2.796	2.753	2.893	4.011	3.704	3.083
CALC. COEF. VAR	.475	.481	.492	.486	.456	.449	.437	.419	.430	.419	.480	.507	.418
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1694	.1895	.2092	.2194	.2369	.2450	.2656	.2915	.3261	.3530	.4281	.5909	1.0000
RP10/A	.4747	.3196	.3559	.3734	.4030	.4174	.4508	.4916	.5504	.5911	.701	.977	1.5578
RP25/A	.1089	.3969	.4480	.4701	.5042	.5189	.5573	.6031	.6754	.7195	.8487	.9185	1.8593
RP50/A	.3544	.4572	.5161	.5915	.5787	.5930	.6345	.6835	.7655	.8114	.9515	1.3283	2.0793
RP100/A	.3993	.5145	.5833	.6120	.6518	.6656	.7099	.7616	.8530	.9003	1.0504	1.4677	2.2840
RP1000/A	.5456	.7002	.8023	.8418	.8889	.8997	.9512	1.0102	1.1316	1.1814	1.3611	1.9054	2.9442
RP10000/A	.6893	.8818	.10173	.10974	1.1206	1.1270	1.1843	1.2486	1.3989	1.4491	1.6942	3.1910	3.5729
PMP/A	1.2561	1.0532	1.8856	1.9575	2.1058	2.1708	2.3410	2.5303	2.8358	3.0105	3.5187	4.9426	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
207 6039 31

STATION NAME  
MURRAY DAM

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
520 13 165 02W S 32.781 117.044 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.92	2.41	2.63	2.84	3.04	3.19	3.55	3.87	4.44	4.87	5.89	7.26	12.11
5	2.93	3.73	4.13	4.45	4.74	4.95	5.49	5.92	6.78	7.35	8.67	10.47	17.35
10	3.64	4.84	5.51	5.91	6.21	6.14	6.75	7.22	8.02	8.57	9.97	11.10	21.39
20	4.33	5.43	6.20	6.76	7.03	7.00	7.63	8.51	9.76	10.43	11.54	15.18	23.40
25	4.55	5.76	6.20	6.59	7.04	7.00	7.72	8.63	9.87	10.21	11.12	13.02	15.82
40	5.00	6.36	7.19	7.76	8.14	8.37	9.16	9.71	11.14	11.54	12.80	17.15	24.80
50	5.22	6.63	7.51	8.10	8.60	8.94	9.54	10.09	11.37	12.28	13.48	17.76	27.18
100	5.88	7.46	8.49	9.15	9.56	9.79	10.67	11.24	12.89	13.63	14.88	19.63	29.90
200	6.53	8.28	9.45	10.20	10.82	10.84	11.78	12.37	14.18	14.94	15.24	21.34	32.56
1000	8.03	10.47	11.67	12.59	13.04	13.23	14.29	15.04	16.74	17.10	17.69	24.48	36.54
10000	10.12	12.70	13.80	14.71	15.14	15.64	16.64	17.43	18.14	18.68	19.34	23.44	31.01
PMP	16.49	20.98	27.15	29.28	30.49	31.92	35.18	37.39	42.89	45.57	49.82	66.09	94.77

MEAN/A	2.199	2.748	3.043	3.283	3.475	3.615	3.991	4.303	4.929	5.351	6.084	7.901	13.090
CLOCK HRs CORs	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	.788	1.027	1.186	1.374	1.325	1.325	1.323	1.323	1.323	1.323	1.323	1.323	.708
REGIONAL SKW	1.600	1.500	1.800	1.600	1.500	1.500	1.200	1.200	1.200	1.200	1.200	1.200	1.200
SKW USED	1.600	1.500	1.800	1.600	1.500	1.500	1.200	1.200	1.200	1.200	1.200	1.200	1.200

KURTOSIS	3.128	4.429	5.673	6.454	6.741	6.543	7.410	7.27	7.27	7.27	7.27	7.27	7.27
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927
RECORD MAXIMUM	4.230	6.350	7.000	8.450	9.540	9.640	10.450	10.850	12.750	13.030	15.120	17.390	23.650
NORMALIZED MAX	1.059	2.307	2.613	2.806	2.772	2.806	2.754	2.824	2.934	2.982	2.500	2.198	2.078
CALC. COEF. VAR	.497	.541	.592	.558	.540	.543	.536	.527	.517	.507	.500	.490	.483
REGN. COEF. VAR	.494	.515	.528	.526	.528	.526	.522	.521	.512	.513	.501	.481	.416
USED COEF. VAR	.494	.515	.528	.526	.528	.526	.522	.521	.512	.513	.501	.481	.416

MEAN/A	.0880	.2100	.2325	.2500	.2653	.2762	.3049	.3298	.3765	.4068	.4633	.6038	1.0000
RP10/A	.2785	.3591	.3986	.4257	.4510	.4680	.5176	.5544	.6354	.6635	.7620	1.0008	1.5578
RP25/A	.3474	.4420	.4900	.5372	.5651	.5929	.6398	.6802	.7797	.8191	.9185	1.2090	1.6893
RP50/A	.3965	.5066	.5737	.6168	.6465	.6652	.7264	.7710	.8306	.8936	.9383	1.0298	2.0753
RP100/A	.4491	.5701	.6488	.6994	.7305	.7476	.8149	.8589	.9849	j.0410	1.369	1.4994	2.2840
RP1000/A	.6136	.7759	.9016	.9619	.9962	1.0107	1.0520	1.1392	1.3065	1.3661	1.4731	1.9464	2.9442
RP10000/A	.7752	.9769	1.1309	1.2198	1.2558	1.2861	1.3594	1.4081	1.6131	1.6756	1.7908	2.3890	3.5729
PMP/A	1.4128	1.6319	2.0730	2.3298	2.3999	2.4306	2.6875	2.8336	3.2738	3.4012	3.8490	5.7400	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
207 7989 0 STATION NAME SAN VICENTE ELEV 358 SEC 660 RNO 31 LOT 145 BWH 01E LATITUDE S 32.917 LONGITUDE 116.917 COUNTY CODE 98

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	13D	20D	30D	40D	60D
2	1.74	2.26	2.50	2.58	2.85	3.00	3.21	3.52	3.94	4.35	5.09	6.74	12.06
5	2.65	3.50	3.92	4.21	4.44	4.64	4.95	5.37	6.02	6.56	7.54	10.08	17.99
10	3.29	4.30	4.81	5.15	5.49	5.81	6.19	6.59	7.35	8.06	9.16	11.29	18.06
20	3.91	5.17	5.80	6.31	6.60	6.83	7.21	7.73	8.46	9.31	10.52	14.09	23.31
25	4.11	5.43	6.10	6.64	6.93	7.16	7.55	8.08	9.06	9.72	10.98	14.69	24.26
40	4.52	5.97	6.62	7.33	7.63	7.86	8.27	8.62	9.88	9.92	11.87	15.93	24.70
50	4.72	6.23	7.12	7.65	7.96	8.19	8.60	9.16	10.27	10.96	12.29	16.49	27.05
100	5.31	7.01	8.05	8.65	8.98	9.19	9.62	10.21	11.44	12.16	15.57	18.22	29.78
200	5.91	7.76	8.97	9.63	9.95	10.18	10.62	11.23	13.39	13.33	14.81	19.98	32.43
1000	7.26	9.31	10.59	11.99	13.24	14.26	15.34	16.59	18.92	19.05	20.95	23.95	35.38
10000	9.17	12.01	14.04	15.08	15.56	16.05	16.73	17.77	19.57	21.37	28.78	46.58	
PMF	16.72	22.51	25.75	27.66	28.95	29.97	31.73	33.91	38.04	40.66	45.42	61.35	94.38
MEAN	1.988	2.580	2.887	3.101	3.257	3.394	3.600	3.907	4.375	4.776	5.528	7.334	13.036
CLOCK HRS. COR.	1.140	1.710	1.049	1.029	1.018	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.812	1.030	1.030	1.029	1.028	1.027	1.026	1.025	1.025	1.025	1.025	1.025	1.025
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.900	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.900	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	13.201	12.448	9.222	7.343	6.749	5.937	4.299	3.569	3.199	2.955	3.297	3.860	4.138
N	26	26	26	26	26	26	26	29	29	25	25	25	25
RECORD YEAR	1946	15	16	16	19	19	15	16	16	19	15	18	1952
RECORD MAXIMUM	6.400	7.300	7.610	7.680	7.800	7.800	7.800	7.800	8.420	8.460	10.400	13.970	20.720
NORMALIZED MAX	3.260	3.577	3.421	3.278	3.241	3.018	2.777	2.531	2.402	2.236	2.222	2.377	2.482
CALC. COEF. VAR	.453	.811	.470	.448	.430	.420	.394	.385	.347	.371	.361	.350	
REGN. COEF. VAR	.494	.515	.520	.520	.520	.520	.520	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.520	.520	.520	.520	.520	.512	.513	.501	.481	.491	.416
MEAN/A	.1928	.1979	.2214	.2379	.2498	.2504	.2761	.2997	.3356	.3663	.4241	.5000	
RP10/A	.2526	.3338	.3768	.4049	.4250	.4420	.4688	.5054	.5664	.6124	.6757	.9320	.1.5578
RP25/A	.3154	.4167	.4743	.5095	.5318	.5490	.5794	.6200	.6595	.7455	.8407	1.1268	1.8593
RP50/A	.3610	.4775	.5464	.5869	.6103	.6281	.6597	.7027	.7877	.8407	.9426	1.2547	2.0753
RP100/A	.4076	.5374	.6176	.6634	.6875	.7050	.7381	.7829	.8778	.9328	1.0483	1.3974	2.2840
RP1000/A	.5570	.7314	.8494	.9124	.9376	.9529	.9890	1.0385	1.1645	1.2240	1.3483	1.6141	2.9442
RP10000/A	.7036	.9209	1.0771	1.1569	1.1819	1.1937	1.2313	1.2836	1.4395	1.5014	1.6392	2.2071	3.7269
RP500/A	1.2822	1.7270	1.9753	2.1217	2.2210	2.2991	2.4340	2.6013	2.9179	3.1193	3.4833	4.7057	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
208 1747 0 STATION NAME CHOLLAS RES ELEV 344 SEC 430 RNO 35 LOT 165 BWH 02W LATITUDE S 32.733 LONGITUDE 117.050 COUNTY CODE 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.81	2.01	2.24	2.36	2.58	2.73	2.92	3.23	3.54	3.81	4.67	6.37	10.73
5	2.5	3.11	3.51	3.70	4.02	4.23	4.43	4.95	5.42	5.75	6.91	9.53	13.40
10	3.05	3.77	4.40	4.84	5.02	5.25	5.57	6.05	6.46	7.00	8.26	11.09	15.97
20	3.63	4.40	5.19	5.59	5.80	6.02	6.30	6.79	7.19	7.79	8.66	11.32	17.20
25	3.81	4.63	5.34	5.84	6.20	6.53	6.89	7.42	8.19	8.52	10.10	13.08	21.57
40	4.19	5.31	6.11	6.44	6.91	7.16	7.54	8.09	8.90	8.70	10.68	15.04	21.90
50	4.37	5.34	6.38	6.73	7.21	7.46	7.85	8.41	9.24	9.61	11.26	15.56	24.08
100	4.93	6.23	7.21	7.60	8.12	8.37	8.78	9.37	10.30	10.67	12.43	17.22	26.50
200	5.48	6.92	8.03	8.47	9.02	9.27	9.69	10.31	11.33	11.67	13.59	18.80	26.96
1000	6.73	8.49	9.81	10.46	11.14	11.35	11.76	12.33	13.86	14.40	15.11	22.30	35.16
10000	8.51	10.68	12.57	13.26	14.96	14.18	15.64	16.36	18.19	17.17	19.58	27.20	41.49
PMF	15.50	20.04	23.03	24.32	26.23	27.30	28.95	31.13	34.23	35.67	41.82	57.97	84.00
MEAN	1.043	2.298	2.584	2.726	2.950	3.092	3.264	3.586	3.937	4.189	5.007	6.930	11.602
CLOCK HRS. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.584	1.547	1.588	1.600	1.237	1.155	1.142	.989	.868	.618	.647	.734	.780
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	6.298	5.310	6.240	5.810	5.611	5.381	5.588	4.652	3.680	3.331	3.540	2.372	3.488
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1937	1927	1921	1927	1927	1927	1927	1927	1927	1927	1927	1927	1941
RECORD MAXIMUM	5.300	5.000	6.730	7.340	7.040	7.040	8.640	8.640	8.640	10.760	12.700	24.020	
NORMALIZED MAX	2.873	2.664	3.398	3.461	3.516	3.442	3.593	3.317	2.940	2.775	2.799	1.920	2.732
CALC. COEF. VAR	.404	.455	.492	.493	.463	.454	.458	.426	.415	.394	.407	.416	.392
REGN. COEF. VAR	.494	.513	.520	.528	.526	.522	.521	.512	.513	.501	.461	.491	.416
USED COEF. VAR	.494	.515	.520	.526	.526	.521	.512	.513	.501	.481	.491	.416	
MEAN/A	.1508	.1979	.2227	.2350	.2543	.2665	.2830	.3091	.3393	.3610	.4357	.5974	1.0000
RP10/A	.2821	.3338	.3790	.3990	.4224	.4525	.4805	.5213	.5727	.6036	.7183	.9905	1.5570
RP25/A	.3286	.4157	.4771	.5033	.5413	.5625	.5939	.6399	.7020	.7347	.8056	1.1965	1.8593
RP50/A	.3770	.4775	.5497	.5790	.6212	.6429	.6763	.7240	.7656	.8265	.9707	1.3429	2.0733
RP100/A	.4247	.5374	.6212	.6553	.6697	.7216	.7566	.8076	.8676	.9193	1.0718	1.4839	2.0400
RP1000/A	.5803	.7314	.8544	.9013	.9543	.9733	1.0130	1.0712	1.1775	1.2051	1.3781	1.9265	2.9492
RP10000/A	.7331	.9209	1.0834	1.1429	1.2030	1.2210	1.2522	1.3040	1.3787	1.4707	1.6880	2.1353	3.3757
RP500/A	1.3359	1.7269	1.9609	2.0500	2.1000	2.1553	2.1751	2.1600	2.1900	2.0741	2.0575	2.9969	3.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
208 4735 8  
LA MESA

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	1D	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.75	2.19	2.36	2.49	2.74	2.90	3.11	3.34	3.66	4.07	4.76	6.60	11.42
5	2.67	3.19	3.69	3.91	4.28	4.49	4.60	5.11	5.59	6.14	7.05	9.83	16.17
10	3.32	4.22	4.63	4.90	5.34	5.50	5.93	6.26	6.86	7.47	8.50	11.90	19.23
20	3.95	5.01	5.54	5.87	6.36	6.61	6.99	7.35	8.04	8.71	9.83	13.79	22.07
25	4.15	5.26	5.83	6.17	6.68	6.93	7.32	7.68	8.42	9.09	10.24	14.37	22.96
40	4.56	5.76	6.43	6.81	7.39	7.61	8.02	8.38	9.18	9.88	11.07	15.51	23.39
50	4.76	6.03	6.71	7.16	7.66	7.96	8.36	9.04	10.36	11.49	12.63	16.43	26.22
100	5.66	7.59	8.03	8.63	9.89	9.33	9.70	10.63	12.39	12.68	13.83	20.20	36.20
200	5.96	7.85	8.46	9.05	9.59	9.85	10.30	10.69	11.69	12.47	13.84	19.47	30.71
1000	7.33	9.28	10.44	11.08	11.77	12.02	12.50	12.87	14.10	14.93	16.43	23.14	36.35
10000	9.29	11.63	13.24	14.01	14.84	15.06	15.57	15.91	17.43	18.32	19.97	28.16	44.11
PMP	16.67	21.01	24.26	25.70	27.69	29.00	30.77	32.24	35.33	38.08	42.45	60.03	89.38

MEAN	2.000	2.499	2.722	2.881	3.136	3.265	3.491	3.715	4.063	4.469	5.167	7.176	12.346
CLOCK HR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.555	1.441	.882	.588	.259	.181	.251	.321	.426	.366	.593	.681	
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	5.777	4.940	3.040	2.710	2.429	2.437	2.617	3.039	3.299	2.661	2.954	3.303	
N	40	40	40	40	40	40	40	40	40	40	40	40	41
RECORD YEAR	1937	1965	1965	1965	1938	1936	1966	1966	1966	1966	1966	1941	1941
RECORD MAXIMUM	4.000	5.380	5.410	5.410	5.670	5.950	5.530	7.230	7.620	7.820	10.020	13.620	23.760
NORMALIZED MAX	2.427	2.791	2.464	2.243	2.149	2.277	2.327	2.623	2.541	2.099	2.508	2.200	2.631
CALC. COEF. VAR	.410	.413	.397	.391	.376	.356	.374	.361	.364	.357	.374	.407	.351
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.461	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.461	.491	.416

MEAN/A	.1624	.2024	.2205	.2333	.2541	.2660	.2827	.3009	.3291	.3620	.4186	.5612	1.0000
RP10/A	.2691	.3414	.3753	.3971	.4324	.4517	.4800	.5074	.5555	.6052	.6684	.9536	1.5578
RP25/A	.3360	.4262	.4724	.4996	.5410	.5615	.5933	.6225	.6616	.7367	.8298	1.1642	1.8593
RP50/A	.3655	.4984	.5442	.5758	.6208	.6160	.6756	.7054	.7726	.8300	.9300	1.3000	2.0753
RP100/A	.5935	.7481	.8459	.8930	.9537	.9736	1.0127	1.0426	1.1421	1.2096	1.3308	1.7473	2.9442
RP1000/A	.7497	.9419	1.0726	1.1349	1.2023	1.2196	1.2609	1.2667	1.1919	1.1637	1.6179	2.8212	3.5729
PMP/A	1.3662	1.7663	1.9670	2.0614	2.2939	2.3492	2.4924	2.6116	2.8619	3.0025	3.4385	4.8620	7.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
208 6088 1  
NATIONAL CITY

ELEV SEC TMP RND LOT BMN LATITUDE LONGITUDE COUNTY CODE  
352 15 32.668 117.112 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D= DAYS H= HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.34	1.59	1.73	1.89	2.07	2.17	2.32	2.54	2.72	2.90	3.47	4.68	7.68
5	2.04	2.47	2.72	2.97	3.24	3.37	3.58	3.88	4.16	4.38	5.14	6.99	10.87
10	2.54	3.07	3.41	3.72	4.04	4.16	4.42	4.75	5.10	5.33	6.20	8.44	12.93
20	3.02	3.65	4.08	4.46	4.81	4.96	5.22	5.57	5.99	6.21	7.17	9.79	14.84
25	3.17	3.83	4.29	4.69	5.05	5.20	5.47	5.83	6.26	6.46	7.47	10.20	15.93
40	3.49	4.21	4.74	5.17	5.65	5.71	5.98	6.26	6.63	6.86	8.09	11.05	17.72
50	3.64	4.39	4.95	5.40	5.80	5.94	6.22	6.51	6.81	7.01	8.18	10.48	17.22
100	4.36	5.04	5.59	6.04	6.43	6.58	6.86	7.16	7.36	7.51	8.11	9.25	16.96
200	4.56	5.36	5.93	6.48	7.26	7.39	7.69	8.10	8.30	8.50	9.12	10.65	20.64
1000	5.60	6.72	7.69	8.61	9.91	9.02	9.33	9.77	10.49	10.65	11.98	16.42	24.43
10000	7.08	8.46	9.75	10.64	11.23	11.30	11.62	12.07	12.97	13.06	14.57	19.99	29.65
PMP	12.90	15.87	17.88	19.52	21.11	21.76	22.96	24.46	26.30	27.13	30.96	42.60	60.09

MEAN	1.533	1.819	2.004	2.188	2.374	2.464	2.603	2.819	3.024	3.186	3.769	5.893	8.299
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.043	2.116	1.363	.555	.304	.189	.325	.547	.356	.348	.246	.237	.097
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.600	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	14.377	9.501	5.835	4.766	3.614	3.293	3.294	3.749	3.290	3.438	3.483	2.636	3.945
N	30	32	35	33	33	33	34	34	34	36	36	36	36
RECORD YEAR	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1941
RECORD MAXIMUM	4.540	4.950	4.950	4.950	4.950	5.100	6.100	6.320	7.690	9.730	16.130		
NORMALIZED MAX	3.550	3.509	3.099	2.927	2.643	2.331	2.658	2.386	2.486	2.547	2.102	2.705	
CALC. COEF. VAR	.552	.490	.474	.431	.410	.406	.411	.438	.431	.395	.406	.433	.438
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.501	.491	.491	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.491

MEAN/A	.1847	.2192	.2415	.2437	.2661	.2969	.3139	.3396	.3484	.3639	.4541	.6136	1.0000
RP10/A	.3060	.3697	.4109	.4487	.4867	.5041	.5328	.5277	.6150	.6417	.7469	.9179	1.5570
RP25/A	.3621	.4615	.5172	.5648	.6090	.6267	.6566	.7026	.7547	.7811	.9003	.1.2291	1.8593
RP50/A	.4384	.5289	.5958	.6607	.7089	.7163	.7499	.8054	.8554	.8904	.9404	1.0492	2.0553
RP100/A	.4940	.5852	.6324	.7354	.7840	.8040	.8607	.9024	.9475	.9775	1.1413	1.5243	2.9440
RP1000/A	.8526	1.0189	1.1744	1.2825	1.3535	1.3613	1.3907	1.4546	1.5632	1.5733	1.7553	2.4064	3.5729
PMP/A	1.5537	1.9126	2.1530	2.3520	2.5434	2.6219	2.7666	2.9470	3.1686	3.2686	3.7305	5.1330	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 208 7740 0 SAN DIEGO & P 487 19 32°7'33" 117°16'7" 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAY(S) H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.67	1.79	1.96	2.08	2.26	2.41	2.63	2.88	3.21	3.49	4.14	5.53	9.34
5	2.24	2.78	3.07	3.27	3.55	3.74	4.06	4.39	4.91	5.57	6.42	8.25	16.23
10	2.79	3.45	3.85	4.10	4.39	4.66	5.04	5.39	6.03	6.42	7.44	9.98	15.73
20	3.23	4.31	4.80	4.98	5.16	5.53	5.79	6.14	6.61	7.40	7.82	8.92	12.05
40	3.83	4.74	5.34	5.69	6.05	6.33	6.77	7.21	7.67	7.96	9.65	13.06	19.13
50	3.99	4.94	5.50	5.96	6.31	6.60	7.05	7.49	8.38	8.81	10.00	13.52	20.95
100	4.50	5.56	6.30	6.75	7.11	7.41	7.89	8.36	9.34	9.91	11.31	14.23	24.50
200	5.00	6.17	7.02	7.58	7.99	8.20	8.74	9.28	10.72	12.44	16.32	21.12	36.08
400	6.14	7.57	8.67	9.24	9.69	10.01	10.57	11.07	12.39	12.83	14.30	19.40	29.73
1000	7.76	9.53	10.99	11.71	12.21	12.54	13.16	13.69	15.32	15.74	17.38	23.61	36.08
PMP	14.14	17.87	20.15	21.48	22.95	24.15	26.01	27.74	31.05	32.70	36.94	50.32	73.10

MEAN	1.682	2.048	2.259	2.408	2.582	2.735	2.950	3.196	3.571	3.841	4.497	6.016	10.097
CLOCK HR. COR.	1.140	1.070	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.945	.826	1.009	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600
USED SKEW	1.600	1.500	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600

KURTOSIS	3.724	3.217	3.821	4.068	3.840	3.680	3.700	4.810	4.152	4.714	5.099	5.396	12.095
N	110	111	112	111	112	112	112	112	112	112	112	112	112
RECORD YEAR	1895	1926	1937	1944	1895	1895	1922	1922	1922	1922	1937	1937	1937
RECORD MAXIMUM	3.340	3.986	5.050	5.560	5.870	6.210	7.280	9.260	9.610	10.180	12.290	17.020	36.270
NORMALIZED MAX	2.561	2.485	3.032	3.098	2.948	2.866	3.292	4.146	3.653	3.530	3.760	3.994	5.587
CALC. COEF. VAR	.385	.380	.407	.424	.438	.443	.446	.458	.463	.468	.461	.458	.466
REON. COEF. VAR	.494	.515	.526	.528	.526	.522	.512	.513	.501	.481	.491	.416	
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.512	.513	.501	.481	.491	.416	

MEAN/A	.1666	.2028	.2236	.2385	.2557	.2709	.2922	.3165	.3537	.3804	.4453	.5958	1.0000
RP10/A	.2759	.3421	.3808	.4059	.4350	.4599	.4960	.5337	.5969	.6359	.7355	.9879	1.5578
RP25/A	.3445	.4269	.4793	.5109	.5443	.5717	.6131	.6567	.7324	.7740	.8629	1.1933	1.893
RP50/A	.3953	.4893	.5522	.5885	.6246	.6534	.6981	.7420	.8301	.8729	.9999	1.3394	2.0753
RP100/A	.4454	.5507	.6241	.6651	.7036	.7334	.7809	.8268	.9250	.9685	1.0928	1.4800	2.946
RP1000/A	.6085	.7494	.8574	.9145	.9566	.9913	1.0465	1.1260	1.2769	1.4260	1.6190	1.923	2.946
RP10000/A	.7689	.8845	.9884	1.1294	1.2516	1.3294	1.4294	1.5355	1.6176	1.7299	1.7714	2.1884	3.1729
PMP/A	1.0009	1.7695	1.9960	2.1294	2.3731	2.5916	2.7954	3.7470	3.0750	3.2388	3.5685	3.9830	5.2400

## PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
BSN ORDER SUB 209 1758 0 CHULAS VISTA 9 32°6'00" 117°10'00" 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.44	1.79	1.93	2.04	2.18	2.33	2.53	2.72	3.05	3.32	3.92	5.35	9.11
5	2.20	2.77	3.03	3.19	3.42	3.96	4.14	4.56	5.01	5.81	7.49	12.09	
10	2.52	3.34	3.71	4.01	4.25	4.49	4.99	5.50	5.91	6.51	7.90	9.65	15.33
20	3.24	4.09	4.54	4.79	5.07	5.32	5.68	5.98	6.70	7.11	8.10	11.19	17.60
25	3.41	4.30	4.78	5.04	5.32	5.58	5.95	6.22	7.01	7.42	8.44	11.68	18.30
40	3.75	4.72	5.27	5.56	5.86	6.13	6.51	6.82	7.65	7.58	9.14	12.63	18.64
50	3.91	4.92	5.50	5.81	6.11	6.38	6.78	7.09	7.94	8.37	9.47	13.09	20.43
100	4.41	5.54	6.22	6.57	6.88	7.16	7.58	7.90	8.85	9.29	10.45	14.44	22.44
200	4.90	6.15	6.93	7.32	7.74	7.93	8.31	8.69	9.64	10.30	11.59	15.90	24.48
500	6.02	7.24	8.05	8.58	9.04	9.46	10.08	11.11	12.19	13.19	15.77	28.98	
1000	7.60	9.49	10.65	11.45	11.83	12.13	12.65	12.95	14.52	14.95	16.46	22.85	35.17
PMP	13.88	17.81	19.90	21.00	22.23	23.36	25.00	26.25	29.43	31.06	34.99	48.69	71.26

MEAN	1.648	2.041	2.230	2.355	2.500	2.646	2.836	3.024	3.385	3.648	4.259	5.821	9.842
CLOCK HR. COR.	1.140	1.070	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.121	1.332	1.076	1.053	.980	1.020	1.025	1.025	1.025	1.022	.817	1.022	1.136
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600
USED SKEW	1.600	1.500	1.600	1.600	1.500	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600

KURTOSIS	4.269	4.223	3.893	4.080	4.127	4.059	4.686	4.934	4.705	4.614	4.672	3.437	5.742
N	50	50	59	59	59	59	59	59	59	59	59	50	50
RECORD YEAR	1924	1911	1927	1927	1927	1927	1922	1922	1922	1922	1941	1941	
RECORD MAXIMUM	3.670	4.660	4.980	5.580	5.990	6.430	7.350	8.240	8.610	9.310	9.390	13.600	25.960
NORMALIZED MAX	2.494	2.492	2.576	2.841	2.938	3.046	3.342	3.308	3.361	2.690	2.878	3.279	
CALC. COEF. VAR	.492	.495	.479	.482	.475	.487	.522	.518	.485	.462	.448	.464	.434
REON. COEF. VAR	.494	.515	.526	.526	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.526	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1674	.2263	.2292	.2540	.2688	.2882	.3072	.3439	.3706	.4227	.5914	1.0000	
RP10/A	.2773	.3497	.3856	.4071	.4322	.4563	.4892	.5181	.5804	.6196	.7171	.9867	1.5578
RP25/A	.3463	.4365	.4854	.5124	.5407	.5673	.6047	.6356	.7212	.7542	.8579	1.1846	1.8593
RP50/A	.3973	.5003	.5592	.5903	.6206	.6684	.7204	.7672	.8056	.9618	1.3298	2.0753	
RP100/A	.4476	.5629	.6320	.6672	.6996	.7278	.7703	.8027	.8995	.9437	1.0618	1.4800	2.8240
RP1000/A	.6116	.7662	.8692	.9176	.9533	.9837	1.0322	1.0641	1.1933	1.2844	1.4922	2.0126	2.3212
RP10000/A	.7726	.9687	1.1622	1.1638	1.2014	1.2523	1.2851	1.3100	1.4581	1.5190	1.6726	2.3212	3.5729
PMP/A	1.4080	1.8090	2.0214	2.1339	2.2582	2.3735	2.5043	2.6669	2.9900	3.1556	3.5548	4.4972	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 209 2406 0	STATION NAME DESCANSO RS	ELEV 3500	SEC 24	TWP 155	RNG LOT 03E G	BWM S	LATITUDE 32°856'	LONGITUDE 116°623'	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.61	3.41	3.74	4.08	4.38	4.60	4.86	5.40	6.10	6.77	8.12	11.02	19.85
5	3.98	5.27	5.86	6.40	6.84	7.12	7.51	8.25	9.32	10.22	12.03	16.44	28.10
10	4.95	6.56	7.35	8.02	8.53	8.84	9.27	10.12	11.43	12.45	14.50	19.87	33.42
20	5.88	7.40	8.07	9.00	9.50	10.15	10.40	11.99	13.00	13.51	14.77	23.03	35.25
25	6.18	7.81	8.25	9.00	9.50	10.15	10.40	11.46	12.41	14.03	14.15	17.48	30.89
40	6.80	9.00	10.21	11.14	11.75	12.06	12.55	13.51	15.30	15.46	18.92	26.01	40.64
50	7.09	9.38	10.61	11.63	12.26	12.56	13.05	14.07	15.90	17.09	19.59	26.94	44.52
100	7.99	10.50	12.05	13.15	13.80	14.10	14.60	15.67	17.72	18.96	21.63	29.77	49.00
200	8.87	11.72	13.42	14.65	15.33	15.61	16.12	17.24	19.49	20.78	23.61	32.51	53.36
1000	10.91	14.37	16.57	18.08	18.83	19.06	19.57	20.79	23.51	24.48	28.03	38.64	63.16
10000	13.78	18.09	21.01	22.93	23.73	23.97	24.36	25.69	28.06	30.51	34.07	47.03	76.64
PHP	25.12	33.93	38.94	42.00	44.60	45.98	48.18	52.07	56.90	63.39	72.42	106.24	155.31

MEAN	2,987	3,889	4,320	4,715	5,017	5,208	5,463	5,999	6,774	7,445	8,815	11,983	21,452
CLOCK HR. COR.	1,140	1,070	1,040	1,020	1,010	1,010	1,000	1,000	1,000	1,000	1,000	1,000	1,000
CALCULATED SKEW	2,136	2,023	2,257	2,340	2,342	2,174	1,785	1,261	1,223	.956	.838	1,126	.706
REGIONAL SKEW	1,500	1,500	1,600	1,600	1,500	1,500	1,360	1,200	1,100	1,000	1,000	1,000	1,000
SKEW USED	1,600	1,500	1,600	1,500	1,400	1,300	1,200	1,100	1,000	1,000	1,000	1,000	1,000

KURTOSIS	8,988	8,260	10,306	10,470	10,254	9,555	7,707	5,039	4,359	3,753	3,389	5,165	3,753
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1952
NORMALIZED MAX	6,495	9,373	11,140	13,200	13,910	13,910	13,910	13,910	13,910	14,000	14,000	14,000	14,000
CALC'D. COEF. VAR	2,827	2,973	3,502	3,651	3,682	3,099	3,373	2,976	2,818	2,414	2,309	2,974	2,500
REGN. COEF. VAR	.458	.470	.499	.514	.481	.463	.450	.443	.418	.396	.394	.405	.387
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1392	.1813	.2014	.2198	.2397	.2428	.2547	.2796	.3188	.3470	.4107	.5866	1.0000
RP10/A	.2366	.3057	.3427	.3740	.3979	.4122	.4324	.4716	.5329	.5802	.6759	.9263	.1578
RP25/A	.2880	.3816	.4314	.4708	.4978	.5124	.5344	.5785	.6559	.7052	.8147	.11189	.4593
RP50/A	.3304	.4374	.4970	.5424	.5713	.5856	.6085	.6557	.7412	.7965	.9134	.12559	.20753
RP100/A	.3723	.4922	.5617	.6130	.6435	.6733	.6808	.7306	.8260	.8837	.1,0084	.1,3877	.2,2840
RP1000/A	.5087	.6699	.7725	.8341	.8776	.8884	.9122	.9690	.1,0598	.1,1596	.1,3065	.1,8015	.2,9442
RP10000/A	.6426	.8436	.9796	1,0696	1,1063	1,1129	1,1357	1,1978	1,2355	1,2424	1,5983	2,1928	3,5729
PHP/A	1,1710	1,5818	1,7965	1,9665	2,0790	2,1346	2,2451	2,4251	2,7457	2,9551	3,3758	4,6723	7,2400

STATION NO. BSN ORDER SUB 209 5154 0	STATION NAME LOVELAND RES	ELEV 350	SEC 1400	TWP 17	RNG LOT 165	BWM 02E	LATITUDE 32°781'	LONGITUDE 116°800'	COUNTY CODE 90
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS									

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.78	2.39	2.63	2.79	3.01	3.13	3.32	3.70	4.11	4.49	5.41	7.09	13.03
5	2.72	3.69	4.12	4.59	4.85	5.13	5.66	6.28	6.77	8.01	10.59	18.44	
10	3.38	4.60	5.17	5.9	5.86	6.02	6.33	6.94	7.70	8.24	9.65	12.47	21.93
20	4.02	5.18	6.18	6.57	6.99	7.31	7.81	8.43	9.03	10.41	11.67	16.83	
25	4.42	5.74	6.50	6.92	7.33	7.49	7.83	8.51	9.45	10.03	11.63	15.45	21.18
40	4.64	6.31	7.17	7.63	8.07	8.22	8.57	9.29	10.31	10.24	12.60	16.75	
50	4.84	6.58	7.49	7.97	8.41	8.56	8.91	9.65	10.71	11.31	13.04	17.38	29.22
100	5.45	7.40	8.47	9.00	9.48	9.61	9.97	10.75	11.94	12.55	14.40	19.17	
200	6.05	8.21	9.43	10.03	10.53	10.64	11.01	11.83	13.13	13.76	15.72	20.93	35.02
1000	7.45	10.07	11.64	12.38	12.92	13.38	13.38	14.26	15.83	16.47	18.66	24.88	41.45
10000	9.42	12.88	14.16	15.70	16.29	16.27	16.84	17.92	19.57	20.21	22.68	30.28	56.30
PHP	17.16	23.78	27.08	30.61	31.28	32.88	35.71	39.67	41.98	46.21	64.54	101.92	

KURTOSIS	3,429	5,955	8,293	6,874	6,560	5,088	3,947	2,911	2,540	2,400	2,572	3,865	
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1968	1952
NORMALIZED MAX	3,100	6,750	8,010	8,730	8,150	8,400	8,400	8,400	8,400	8,400	10,400	12,000	26,670
CALC'D. COEF. VAR	1,571	2,754	3,252	3,349	3,197	3,151	2,946	2,542	2,186	2,054	2,034	2,130	2,550
REGN. COEF. VAR	.370	.438	.504	.507	.480	.463	.495	.441	.421	.382	.382	.344	.333
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1449	.1936	.2156	.2293	.2446	.2520	.2650	.2923	.3241	.3502	.4169	.5481	1.0000
RP10/A	.2401	.3265	.3699	.3902	.4162	.4279	.4498	.4929	.5470	.5855	.6856	.9098	1,5578
RP25/A	.2998	.4075	.4619	.4912	.5207	.5519	.5560	.6047	.6712	.7126	.8265	.9078	1,5953
RP50/A	.3439	.4567	.5321	.5659	.5976	.6080	.6331	.6853	.7608	.8037	.9266	.1,2322	2,0753
RP100/A	.3875	.5256	.6013	.6395	.6731	.6824	.7083	.7636	.8478	.8917	.1,0230	.1,3615	2,2840
RP1000/A	.5294	.7154	.8271	.8796	.9180	.9223	.9491	.1,0128	.1,247	.1,701	.1,3254	.1,7574	2,9442
RP10000/A	.6688	.9007	1,0488	1,1554	1,1572	1,1554	1,1817	1,2519	1,3903	1,4453	1,6113	2,1511	3,5729
PHP/A	1,2187	1,6891	1,9233	2,0455	2,1746	2,2254	2,3358	2,5369	2,8182	2,9819	3,4246	4,5847	7,2400

PEARSON TYPE III DISTRIBUTION USED  
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BHM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 209 8726 1 SWEETWATER RES 359 300 17 175 01W 5 32.692 117.008 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.49	1.88	2.05	2.19	2.34	2.48	2.72	2.97	3.40	3.68	4.32	5.91	10.27
5	2.27	2.91	3.22	3.44	3.65	3.85	4.20	4.54	5.19	5.56	6.39	8.82	14.55
10	2.81	3.63	4.03	4.31	4.56	4.77	5.19	5.57	6.37	6.77	7.71	10.67	17.30
20	3.35	4.31	4.83	5.16	5.43	5.65	6.13	6.53	7.47	7.89	8.91	12.36	19.85
25	3.51	4.53	5.08	5.63	5.70	5.93	6.41	6.84	7.81	8.24	9.29	12.88	20.65
40	3.87	4.98	5.60	5.99	6.27	6.51	7.02	7.46	8.53	8.91	10.40	13.48	21.03
50	4.03	5.18	5.85	6.25	6.50	6.80	7.35	7.86	8.96	9.29	10.41	14.46	21.04
100	4.45	5.86	6.76	7.36	7.37	7.61	8.17	8.53	9.97	10.31	11.50	14.98	25.36
200	5.05	6.48	7.36	7.87	8.19	8.43	9.03	9.50	10.86	11.30	12.55	17.45	27.62
1000	6.21	7.98	9.09	9.72	10.05	10.29	10.99	11.45	13.09	13.53	14.90	20.74	32.69
10000	7.84	10.00	11.53	12.32	12.67	12.89	13.63	14.15	16.19	16.59	18.11	25.24	39.67
PMP	14.29	18.76	21.14	22.60	23.81	24.82	26.96	28.68	32.81	34.47	38.49	53.80	80.39

MEAN	1.499	2.150	2.370	2.533	2.678	2.811	3.058	3.304	3.773	4.048	4.685	6.432	11.104
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.755	1.542	1.349	1.223	1.504	1.496	1.485	1.288	1.210	1.039	8.12	.742	.954
REGIONAL SKW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	6.324	5.057	4.791	4.496	6.674	7.061	5.983	5.333	5.102	4.666	3.679	3.506	4.968
N	81	81	81	81	81	81	81	81	81	81	81	81	81
RECORD MAXIMUM	3.900	5.550	5.650	6.020	7.750	8.120	8.240	8.490	9.510	9.820	10.050	13.770	26.510
NORMALIZED MAX	2.947	3.078	3.270	3.234	4.277	4.393	3.797	3.508	3.417	3.322	2.762	2.842	3.893
CALC. COEF. VAR	.439	.438	.423	.426	.443	.430	.451	.447	.445	.429	.425	.401	.356
REGN. COEF. VAR	.494	.512	.528	.528	.526	.521	.522	.513	.501	.481	.494	.416	.416
USED COEF. VAR	.494	.512	.528	.528	.526	.521	.513	.501	.481	.494	.481	.481	.481

MEAN/A	.1530	.1936	.2134	.2281	.2412	.2531	.2754	.2975	.3398	.3846	.4219	.5792	1.0000
RPM10/A	.2535	.3265	.3632	.3882	.4104	.4297	.4676	.5018	.5735	.6095	.6940	.9005	1.5576
RPM20/A	.3165	.4495	.4572	.4887	.5135	.5343	.5779	.6156	.7036	.7419	.8365	1.1602	1.8593
RPM50/A	.3632	.4771	.5029	.5299	.5903	.6160	.6562	.6777	.7477	.7927	.8723	1.2479	2.0753
RPM100/A	.4404	.5256	.5929	.6352	.6736	.7022	.7777	.8389	.9283	.9754	.1039	1.4389	2.0000
RPM1000/A	.5591	.7154	.8187	.8750	.9052	.9264	.9865	1.0311	1.1792	1.2182	1.3416	1.8679	2.9442
RPM10000/A	.7063	.9007	1.0382	1.1096	1.1411	1.1604	1.2282	1.2744	1.4577	1.4942	1.6309	2.2734	3.5729
RPM/A	1.2870	1.6891	1.9039	2.0349	2.1443	2.2352	2.4278	2.5827	2.9582	3.1043	3.4663	4.8454	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. STATION NAME ELEV SEC TWP RNG LOT BHM LATITUDE LONGITUDE COUNTY CODE  
85N ORDER SUB 211 514 0 BARRETT DAM 163 1623 22 175 03E 5 32.683 116.667 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.06	2.73	2.99	3.25	3.56	3.80	4.21	4.57	5.10	5.73	6.64	9.06	15.26
5	3.15	4.23	4.69	5.09	5.56	5.69	6.49	6.68	7.80	8.64	9.84	13.52	21.60
10	3.91	5.22	5.88	6.38	6.94	7.31	8.02	8.56	9.56	10.52	11.86	16.33	25.69
20	4.64	6.25	7.03	7.63	8.26	8.66	9.04	10.05	11.22	12.26	13.73	18.93	29.48
25	4.88	6.55	7.40	8.03	8.68	9.08	9.91	10.51	11.73	12.80	14.38	19.73	30.66
40	5.37	7.21	8.16	8.86	9.55	9.97	10.85	11.46	12.80	13.07	15.46	21.34	31.24
50	5.60	7.52	8.53	9.25	9.94	10.40	11.26	12.13	13.31	13.96	16.70	22.45	32.25
100	6.03	8.06	9.16	9.86	10.56	11.22	12.16	13.07	14.22	15.82	17.56	21.90	37.66
200	7.01	9.39	10.73	11.65	12.47	12.90	13.94	14.60	16.31	17.56	19.32	26.73	41.02
1000	8.62	11.52	13.25	14.38	15.31	15.75	16.92	17.60	19.66	21.03	22.94	31.77	46.55
10000	10.88	14.50	16.80	18.24	19.29	19.73	21.06	21.75	24.31	25.79	27.88	38.66	58.92
PMP	19.83	27.19	30.82	33.44	36.26	38.00	41.64	44.09	49.27	53.58	59.25	82.41	119.39

MEAN/A	2.358	3.117	3.455	3.749	4.079	4.304	4.724	5.079	5.666	6.293	7.214	9.851	16.490
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKW	1.877	2.119	2.898	2.830	2.685	2.680	2.518	2.347	1.905	1.738	1.668	.994	.913
REGIONAL SKW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

KURTOSIS	5.698	8.212	13.807	13.564	12.691	12.648	11.552	10.248	7.573	6.644	6.017	3.681	3.924
N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD MAXIMUM	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1922
NORMALIZED MAX	5.320	9.760	13.330	14.840	15.400	16.320	17.290	17.740	17.520	20.570	22.710	33.020	
CALC. COEF. VAR	2.375	3.672	4.549	4.640	4.619	4.616	4.546	4.294	3.831	3.514	3.772	2.819	2.855
REGN. COEF. VAR	.529	.581	.628	.638	.601	.604	.585	.566	.544	.508	.491	.463	.351
USED COEF. VAR	.504	.515	.528	.528	.526	.521	.512	.513	.501	.491	.481	.481	.416

MEAN/A	.1430	.1890	.2095	.2274	.2473	.2510	.2864	.3080	.3436	.3818	.4375	.5974	1.0000
RPM10/A	.7369	.3188	.3565	.3869	.4206	.4431	.4863	.5194	.5799	.6379	.7195	.9906	1.5578
RPM25/A	.2585	.3979	.4488	.4870	.5265	.5509	.6011	.6372	.7116	.7765	.8673	1.1766	1.8593
RPM50/A	.3754	.4944	.5130	.5610	.6286	.6596	.7122	.7686	.8157	.8722	.9221	.9930	2.0353
RPM100/A	.3824	.5132	.5314	.6086	.6567	.6866	.7404	.8088	.9171	.10734	.12480	.14840	2.0840
RPM1000/A	.5225	.6984	.8036	.8721	.9282	.9552	.10200	.10733	.11923	.12750	.13499	.19265	2.9442
RPM10000/A	.6600	.8794	1.0190	1.0508	1.1700	1.1965	1.2773	1.3192	1.4739	1.5646	1.6909	2.3437	3.5729
RPM/A	1.2028	1.6491	1.8687	2.0280	2.1987	2.3047	2.5250	2.6734	2.9877	3.1492	3.5937	4.9972	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
211 1424 0 CAMP0

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
167 2630 32°6'17" 116°44'47" 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.82	2.48	2.73	2.99	3.25	3.49	3.75	4.03	4.59	4.92	5.81	7.99	14.38
5	7.78	3.83	4.28	4.68	5.07	5.41	5.79	6.16	7.02	7.43	8.60	11.92	20.37
10	3.45	4.77	5.36	5.87	6.33	6.71	7.16	7.56	8.61	9.04	10.37	14.41	24.22
20	4.10	5.67	6.42	7.03	7.54	7.96	8.44	8.86	10.10	10.54	11.99	16.69	27.79
25	4.31	5.95	6.75	7.39	8.16	8.85	9.27	10.56	11.01	12.49	17.40	24.91	39.45
40	4.74	6.58	7.45	8.16	8.71	9.16	9.68	10.11	11.52	11.81	13.24	18.43	32.26
50	4.95	6.82	7.78	8.52	9.09	9.54	10.04	10.57	11.97	12.41	13.53	19.53	32.56
100	5.47	7.97	8.79	9.57	10.23	10.81	11.27	11.71	13.34	13.77	15.47	21.58	35.51
200	6.19	8.52	9.79	10.72	11.37	11.86	12.44	12.88	14.68	15.10	16.88	23.57	34.67
1000	7.61	10.44	12.09	13.26	13.96	14.47	15.10	15.53	17.70	18.07	20.04	28.02	45.77
10000	9.62	13.15	15.33	16.79	17.59	18.13	18.80	19.20	21.88	22.17	24.36	34.10	55.54
PMP	17.53	24.65	28.11	30.79	33.06	34.92	37.16	38.90	44.35	46.05	51.77	72.61	117.55

MEAN	2.084	2.826	3.151	3.452	3.719	3.955	4.215	4.482	5.100	5.408	6.302	8.688	15.546
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.828	1.770	1.753	1.976	1.943	1.995	1.657	1.424	2.620	2.465	2.001	1.072	.690
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.400	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	6.784	6.751	6.972	8.177	8.479	9.151	7.552	6.587	14.503	13.656	10.645	5.315	3.368
N	51	51	51	51	51	51	51	51	51	51	51	51	51
RECORD YEAR	1916	1966	1967	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916
RECORD MAXIMUM	4.750	7.320	8.360	10.500	11.700	12.930	12.930	19.660	20.140	20.960	23.840	30.790	
NORMALIZED MAX	2.726	2.979	3.141	3.702	4.008	4.217	4.056	3.897	5.014	4.936	4.600	3.705	2.682
CALC. COEF. VAR	.469	.534	.526	.552	.535	.538	.510	.486	.569	.552	.505	.471	.366
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1341	.1818	.2027	.2220	.2392	.2564	.2711	.2883	.3281	.3479	.4058	.5589	1.0000
RP10/A	.2221	.3066	.3454	.3778	.4070	.4319	.4663	.4861	.5537	.5816	.6668	.9267	1.5578
RP25/A	.2733	.3827	.4342	.4759	.5093	.5364	.5964	.6246	.7075	.7479	.8775	.1.1530	1.8593
RP50/A	.3182	.4446	.5002	.579	.584	.613	.6579	.6741	.7701	.794	.9011	.1.564	2.0352
RP100/A	.3584	.4926	.5502	.6192	.6728	.7458	.7827	.8084	.8851	.8899	.9448	1.3882	2.8940
RP1000/A	.4898	.6717	.7776	.8517	.8978	.9310	.9712	.9900	1.1384	1.1625	1.2890	1.8022	2.9442
RP10000/A	1.6107	.8458	.9860	1.0800	1.1318	1.1662	1.2091	1.2348	1.4073	1.4259	1.5670	2.1934	3.15729
PMP/A	1.1275	1.5861	1.8082	1.9806	2.1268	2.2463	2.3902	2.5023	2.8526	2.9623	3.3303	4.6748	7.2400

## PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.  
BSN ORDER SUB  
211 7100 1 POTRERO

ELEV SEC TWP RNG LOT BWM LATITUDE LONGITUDE COUNTY CODE  
354 2390 07 185 04E 5 32.631 116.620 90

## MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.10	3.39	3.66	3.96	4.24	4.57	4.96	5.50	6.08	6.95	9.60	16.75
5	3.68	4.79	5.31	5.73	6.17	6.57	7.06	7.58	8.49	9.18	10.29	14.33	23.71
10	4.57	5.96	6.66	7.19	7.71	8.15	8.71	9.30	10.42	11.17	12.41	17.32	28.20
20	5.44	7.08	7.97	8.61	9.18	9.66	10.28	10.9	12.22	13.02	14.33	20.07	32.36
25	5.71	7.43	8.38	9.05	9.64	10.13	10.77	11.41	12.79	13.59	14.96	22.82	33.66
40	6.26	8.11	9.25	10.41	11.12	11.79	12.44	13.95	14.34	15.20	17.44	24.87	34.29
50	6.55	8.82	10.06	11.43	12.12	12.86	13.51	14.24	15.04	15.99	17.81	25.08	37.37
100	7.38	9.59	10.92	11.79	12.46	13.00	14.40	14.40	16.15	17.01	18.51	25.94	41.34
200	8.20	10.64	12.16	13.13	13.85	14.39	15.15	15.85	17.77	18.65	20.21	28.33	45.02
1000	10.00	13.05	15.01	16.21	17.00	17.56	18.39	19.10	21.42	22.32	23.99	33.68	53.29
10000	12.74	16.43	19.04	20.56	21.43	22.00	22.89	23.61	26.48	27.38	29.16	40.99	64.68
PMP	23.21	30.81	34.91	37.70	40.27	42.38	45.25	47.85	53.68	56.88	61.98	87.36	131.06

MEAN	2.760	3.532	3.914	4.227	4.530	4.800	5.123	5.513	6.174	6.680	7.545	10.444	18.102
CLOCK HR, COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.738	1.616	2.161	2.336	2.137	2.071	2.037	1.811	1.489	1.389	1.170	1.024	.950
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	5.677	5.883	10.373	12.034	10.813	10.360	9.619	8.261	6.193	5.704	4.818	4.028	4.041
N	47	47	47	47	47	47	47	47	47	47	47	47	47
RECORD YEAR	1941	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1937
RECORD MAXIMUM	6.340	9.450	12.550	14.650	15.360	17.450	17.45	17.610	17.610	18.450	24.720	34.340	
NORMALIZED MAX	2.377	3.208	4.198	4.526	4.461	4.405	4.337	4.093	3.699	3.541	3.325	3.079	2.527
CALC. COEF. VAR	.546	.522	.526	.545	.536	.545	.559	.529	.501	.462	.435	.444	.355
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1525	.1951	.2162	.2335	.2502	.2651	.2836	.3045	.3411	.3690	.4168	.5770	1.0000
RP10/A	.2526	.3291	.3690	.3974	.4257	.4502	.4814	.5136	.5756	.6170	.6855	.9567	1.5575
RP25/A	.3154	.4101	.4632	.5002	.5327	.5596	.5951	.6301	.7063	.7570	.8265	1.1556	1.8593
RP50/A	.3365	.4507	.5236	.5626	.6133	.6715	.7105	.7474	.8106	.8774	.9284	1.2532	2.0352
RP100/A	.4077	.5297	.6020	.6565	.7066	.7797	.8156	.8691	.9397	1.0288	1.1332	2.0840	
RP1000/A	.5570	.7210	.8294	.8657	.9391	.9703	1.0157	1.0553	1.1835	1.2331	1.3252	1.8605	2.6942
RP10000/A	.7037	.9078	1.0518	1.1356	1.1838	1.2155	1.2646	1.3044	1.4630	1.5126	1.6111	2.2644	3.15729
PMP/A	1.2823	1.7023	1.9288	2.0429	2.2246	2.3413	2.4997	2.6634	2.9655	3.1245	3.4241	4.8282	7.2400

PEARSON TYPE III DISTRIBUTION USED  
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS  
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE



## CONVERSION FACTORS

### English to Metric System of Measurement

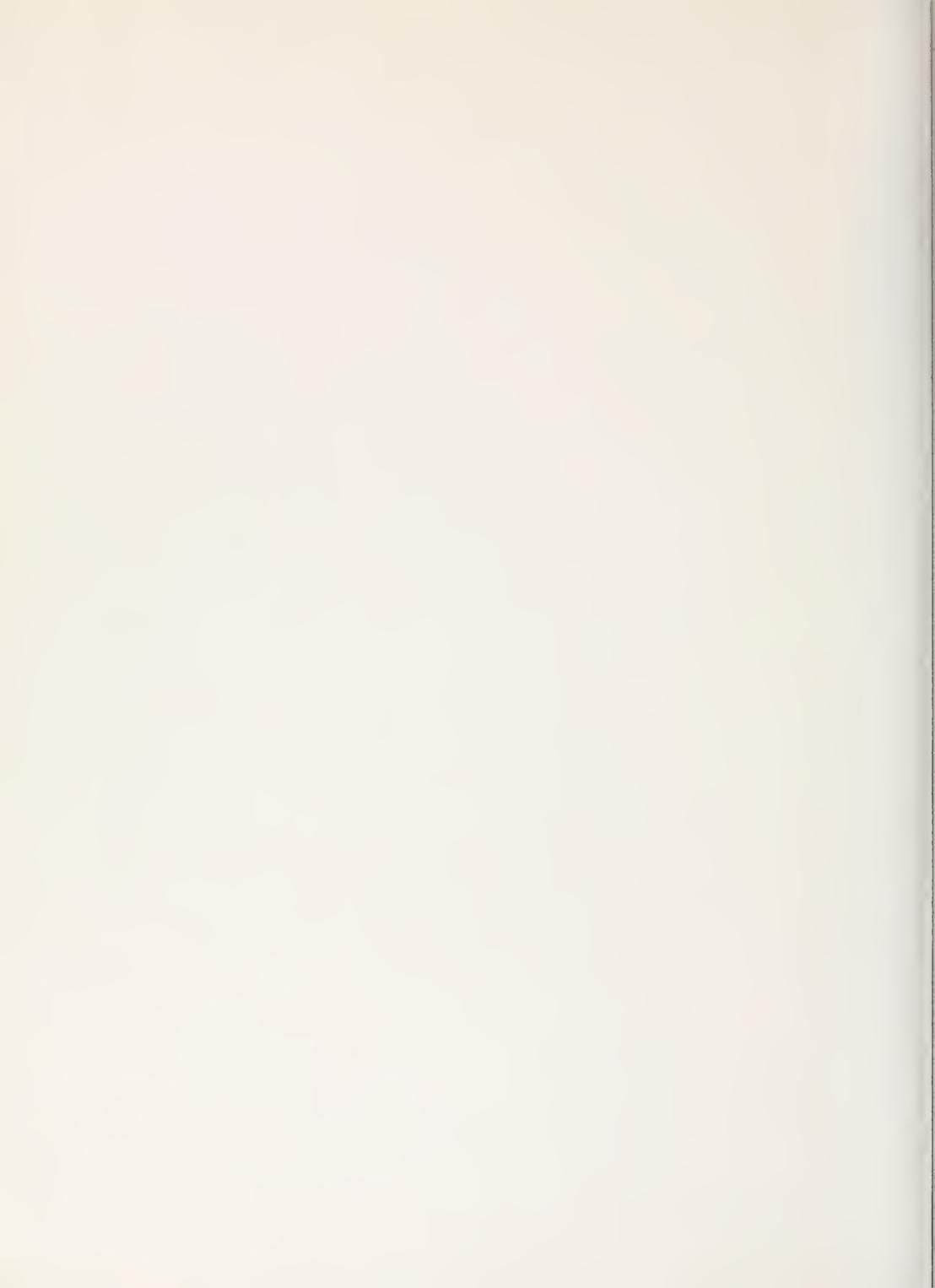
<u>Quantity</u>	<u>English unit</u>	<u>Multiply by</u>	<u>To get metric equivalent</u>
Length	inches (in)	25.4	millimetres (mm)
		.0254	metres (m)
	feet (ft)	.3048	metres (m)
Area	miles (mi)	1.6093	kilometres (km)
	square inches ( $in^2$ )	$6.4516 \times 10^{-4}$	square metres ( $m^2$ )
	square feet ( $ft^2$ )	.092903	square metres ( $m^2$ )
	acres	4046.9	square metres ( $m^2$ )
		.40469	hectares (ha)
		.40469	square hectometres ( $hm^2$ )
Volume		.0040469	square kilometres ( $km^2$ )
	square miles ( $mi^2$ )	2.590	square kilometres ( $km^2$ )
Volume/Time (Flow)	gallons (gal)	3.7854	litres (l)
		.0037854	cubic metres ( $m^3$ )
	million gallons ( $10^6$ gal)	3785.4	cubic metres ( $m^3$ )
	cubic feet ( $ft^3$ )	.028317	cubic metres ( $m^3$ )
	cubic yards ( $yd^3$ )	.76455	cubic metres ( $m^3$ )
	acre-feet (ac-ft)	1233.5	cubic metres ( $m^3$ )
		.0012335	cubic hectometres ( $hm^3$ )
Mass		$1.233 \times 10^{-6}$	cubic kilometres ( $km^3$ )
Power	horsepower (hp)	0.7460	kilowatts (kW)
Pressure	pounds per square inch (psi)	6894.8	pascal (Pa)
Temperature	Degrees Fahrenheit ( $^{\circ}F$ )	$\frac{t_F - 32}{1.8} = t_C$	Degrees Celsius ( $^{\circ}C$ )













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